<400> 1612
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taatcagaaa ttactatagt taatgacntt ttgtttgggc tccttacata aaatacaatt   120

ttatacattt taatttttat acatatttt tatatttaat tgcacagatc atttgggtat   180

ttattatatt aattgactac tttatgataa tttgaatcct aattagtcta ttcaagattg   240

ntttcctggt ttaagcctta cttagcaatc tcacttttgc attcttcgcc gggtggcgng   300

ggtatgcatc gcaactccgt tttatcaaag tgcaagccat ttggacaatc ataatgnttt   360

atttgccatt tgntgntaac caagaaacat tgataatatt ttttacaatc tcttcgatcg   420

gaaaaaacgt tttcactttt gcatgcagtt ctgcacgaga aagattttgg ggcaaaccat   480

tcggtggcgc gncttcacat ttca   504

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aagttgcaaa tatggaaact accatccota tattatatat aattgtatat attcctgaac   120

tgttttattt gaatntattt taaacacaaa ctttaattat attcaaataa tgatggacgt   180

gatttcatat atccctaaac tttggatcag agtttgagag aagcctagcc atagtgtata   240

gaaaattatg tgtaggtgta taattaagat tgcaggagtc aaatatataa agcattgata   300

caaattatac attccaattt tctgtaaacc gtgttctttg gntgattatg ggttatatca   360

caanttatga atcatgtaaa ttaattgnaa tttgaaatgn atctccgatg taaatg        416
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tgcacanatc atttgngtat ttattatatt aattgactac nttatgataa tttgaatcct   180

aattagtcta ttcaagattg ntttcctggn ttaagcctta cttagcaatc tcacttttgc   240

attcttcgcc gggtggcgtg ggtatgcatc gcaactccgn tttatcaaag tgcaagccat   300

ttggacaatc ataatgnttt atttgcca   328

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cgcatttcat gacggggcaa tcagcttctg gcgatttctt tttacacata tttttagaat   120

gatcatatca tagttaggng ggcattcgaa aacctgcctt taccatcttt gcagaataag   180

tatcttgngc agctttcgga tctggctgat atcctacaac cgccatgtag tttctgncgc   240

ttacaggttt tcccaggttt tgatgagcca tatcatctac acaaaatgga gcatcggaat   300

ttgagtctct gcaattgatt ggtgnaaatg ggggttcttg ntcagcgcac aacttcaaaa   360

gtagaacaat cgtgacaaaa tgttccnact gttattagta ccttcggccg ngacacgcct   420

aaccgaatct gnagatattc atacacttgc gggcggtnga gcatgcatta gaaggcccat   480

tcgcctatta gggagcgttt ac   502

<210> 1616
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aatttacgca tagcacattt cgctcgtgca aatctcttcc tcgcattcca gacaagtttc   120

cttatcgcat ttgtaggtgt cggngcagcc tctcttcact ttatctcgtc aatatctaag   180

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tagcatttgc ccatgcattt ggncttcgtc tcgacttttt cagggtcgca aggcaatttt     240

catcattttc atcacaagaa acacattcgt gtttttggc atcaccattg cattcgtttt     300

tgtcacaagg tgggcaacgt tctgggtttt tctcgcacat tttttt                   346
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atattaaatt acaattagga ctacataatg cactttaaaa attatggcat agttaagact     180

tcattagaaa tacaataagc tacaattata aatngnatta tattttgtat ttttatcata     240

aaagaataaa atcattcaga atgcaaaaaa                                      270
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<210>    1618
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taaaaacatt tcatntnaat gtaaacaaaa tngatgatca ttgataattc tngntaaatg    120

tgctttttta aagcaaattt atttacatat taaacatctg tgaattttga taatttatct    180

cgnagcatca tgttttcttt cttcattcgc tcaagctctt ggcgaagacc aatattctcc    240

ttctccaagt atcctgcacg taaggctatt tgattttctt tcatgcgtcg agcatctcga    300

gatcgcttgg ctgccatgtt attctttctc ctcctagccc aatacttatc atccttcaaa    360

ttatca                                                                366


<210>  1619
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<212>  DNA
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<400>  1619
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tacgtatccc taaggagcag ggccgtactt tccttctggc gtggtaactt ggccaatgtc    120

attcgttatt tcccaactca ggctttgaac tttgcattca aagacaagta caagcaagtt    180

ttcttgagtg gagttgacaa gaagacccaa ttctggcgtt acttcgcagg aaacttggca    240

tctggtggtg ctgctggagc cacatcattg tgcttcgtct acccacttga ttttgcccgt    300

accagattgg ccgctgatgt aggtaaaggc gctggtcaac gtgaattctc tggattgggc    360

aaccgcttga ccaaaatctt caagtctgat ggtctccctg gattg                    405


<210>  1620
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<400>  1620
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<210>  1621
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<400> 1621
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attatggatc gttaatagca attnttttaa gctcattcat aaatactgna taattatttc   120

attntttatc gccttttatt attgaaatgc ccacaacaag tatacattca aaatcaaact   180

atatgggatt agnagtanat aaataattat ttacttctac taattaatat tggcgaattc   240

atattctatt tccatcccta tccctttttt ataaatcgng nttcaataat ttacctcaaa   300

atgagatcta aaatatgaag aaatgatata caatttcatc tatacttata ttttaaaagn   360

gcacaattaa taataaaaag attattttac tctcgttctt gagaattgag atttggtctt   420

tggcaatcac gnaacaatat tctgaacttt catagctttt aatataagtn aaagt   475

<210> 1622
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<212> DNA
<213> Ctenocephalides felis

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<400> 1622
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taaaaagaat tgggatttgt gcatttcatg acggtgcaat caagcttctg acgatttctt   120

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tttacacata tttttagaat gatcatatac atagttaggt gggcattcga aaacctgacc      180

tttaccatct tgcagaataa gtatcttgtg cagtctttcg gatctggctg atatcctaca      240

accgcgcatg tagtttctgc cgcttacang tttttccccag gttttgatga gcacatatca    300

cctacacaaa atggagcatc ggaatttgag tctctgcaat tgattgntgn aattggggtt      360

tcttgtcagc gcacaacttc aaaagtagaa caatcgtgac aaaatggtcc caactgctta      420

ttagt                                                                  425
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<210>  1623
<211>  445
<212>  DNA
<213>  Ctenocephalides felis


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nataatatat gtattggatt aacttagnna attctccctc gcncttttat actatngtaa     120

ccagaaacaa anatcagagt gtgtnnaacg taaattcata tattttnggt aaaatacaat     180

caanatataa cagtgcccaa tattattaaa atacgtattt gtgacgaaac ctaaagtgtc     240
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gtcagaatat naaaaacaat aatatttata ccttcaaatg tatgctttga aaaaaagcat    300

tcgaagattt tgtttaaata ttttgntaag tccacattta tgtttggtcg ntcaattaaa    360

ntatgtttct tttgcangta agattatgtt gtagatattg tcacaaaatt agtatatttt    420

atgttatttt aagcatattg gtatt                                          445
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<210>   1624
<211>   484
<212>   DNA
<213>   Ctenocephalides felis


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<223>   n = unknown

<400>   1624
tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg     60

catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt    120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg    180

ataaaacgga gttgcgatgc atacccacgc cacccggcga gaatgcaaa agtgagattg     240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc    300

ataaagtagt caattaatat aataaatcac aaatgatctg tgcaattaaa tataaaaaat    360

atgtataaaa attaaaatgt ataaaattgn attttatgta aggagcacaa acaaaatgnc    420

attaactata gtaatttctg attatttaaa atatataaat atagaagctt tatgaaattg    480

gaaa                                                                 484
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<213>   Ctenocephalides felis


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<222> (77)..(77)
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<400> 1625
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acggtgcaat cagcttntga cgatttcttt ttacacatat ttttagaatg atcatataca   120

tagttaggtg ggcattcgaa aacctgacct ttaccatctt gcagaataag tatcttgtgc   180

agtctttcgg atctggctga tatcctacaa ccgcgcatgt agtttctgcc gtcttacagt   240

tttccccagg ttttgatgag cacatatcat ctacacaaaa tggagcatcg gaatttgagt   300

ctctgcaatt gattgttgna attggggttt cttgtcagcg cacaacttca aagtagaaca   360

atcgtgacaa aatgtcccaa ctgcttatta gt   392

<210> 1626
<211> 598
<212> DNA
<213> Ctenocephalides felis

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aatggggtgt tcttggggtc tggcaacatt ccacgagcgg ngtcatagaa tcaaagtatg     180

ctgcacggta gatgatgata ccttgaacag atactccaaa accacggtac aatccaggga     240

gaccatcaga cttgaagatt ttggtcaagc agttgcccaa tccagagaat tcacgttgac     300

cagcgccttt acctacatca agcggccaat ctggtacggg cgaaatcaag tgggtagacg     360

aagcacaatg atgtggcttc agcagcacca ccagatgcca agttttctgc gaagtaacgc     420

cagaattggg tcttcttgtc aacttcaccc aagaaaactt nttgtacttg ctttgaatgc     480

gaagntcaaa gnctgagtgg gaaatacgaa tgacattggc caagtaccac gccagaaagg     540

aagtacgccc tgttcntang gatacgtaca aagcaatcga tgatancttt tgtacgtt       598
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<212>  DNA
<213>  Ctenocephalides felis
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tgatnagggg atttaagaat tttacaattt agattttttt aaatccatga atatatttgn     120

tctaatcaaa attattcatt ttacgcttaa ttttattggn tgaactaata gatagataga     180

taaagatata gagtcaatat aaaaatgaag aaaatnaaat taaaagtgga ca             232


<210>  1628
<211>  404
<212>  DNA
<213>  Ctenocephalides felis


<220>
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tggatcaata tacgcaataa ctcataattc ttctcattga gacgtggggc attctctctc     120

cagaacttag canatttgtg aacaggtgac cattccaatc tgccggactt gatttctgta     180

gcatattcat caaatgagct aaggtcttga atggaagctt gtaatttttc ggtcaaatat     240

tcaacatcag caacgatatc ctcatcatct gaacgtcttt gttccaggat ggataattgt     300

ttcaatacct tgctttgcac cattgcaatg caatgctcct tggccacctg ttgatctttc     360

actttctcaa ttaaattcct ataaacagcc agtacccctc gcgg                     404


<210>  1629
<211>  159
<212>  DNA
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cctttggacc acttcttctt tttggctttg ccacctccgg aaccctcttt cttcttttgg     120

gtcttttgtg gctgtttagc cgaagacttt gaatccttc                           159
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<210> 1630
<211> 497
<212> DNA
<213> Ctenocephalides felis

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<400> 1630
gcactgtaga tatccacttt gatcagcgca canttgatct gggctacagg attccttaac   60

cggatctgct cctatttccg gacaatactg catttcgggt gaactgcacg aattcacgca   120

actaaatttt acttttttac atttttgcaa tataatacat atatattata aaaaagtaaa   180

aaatcgntat taaaataatt aattcacgg gatatattag atagttaatt ttataataaa   240

ttgtattata taatagggaa tataatacat atatattata aaaagtaaaa aaatcgttat   300

taaaataatt aattcacgg gatatattag atagttaatt ttataataaa ttgnattata   360

taatagggaa tataatacat atatattata aaaaagnaaa aaatcgttat taaaataatt   420

aattcacgg gatatattag ataggtaatt ttatnataaa ttggattata taatagggga   480

tataatacaa aaaaaaa   497

<210> 1631
<211> 386
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<400> 1631
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gttgttggaa gcaatgttgt aggaataatt ctagattata attgcgattt aacatttta   120

atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat   180

canaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt   240

cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcaattacaa agaaaattca   300

gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgn   360

tattagattc gatgtaagat atatgt   386

<210> 1632
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<220>
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<400> 1632
cgccctaaag ctgccaactc gaacttgaac ttgcttttcg ttgcggncat ttttgaagca   60

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ttgagcagca gtgagaacaa aatatctact aactatgact cctccacaaa tatggtcacc    120

tctatataaa acagatgcca cgtaaggtaa ttcgctgatg tcagcaggtt ttcctccgat    180

catacgagaa tcggtcaaat ttttgctttc tgcccctgaa aagatgaata gtagtaatat    240

attaatcatg gaaaaacttt tgtatgtatt acaaaataac tgctaattaa aaatttagat    300

ttgttattgg aacattcaat ttgttcatag ataaatttta ttacattgna aaatttgata    360

agggttcatt ccatatcaca aatttttaca atggctgnaa ctgggcagcc tttttatttt    420

atttagt                                                             427
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<210> 1633
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ttacttttgc acccgccaag catgtgctcc agttcaccat cataaacgat cagctgaaga    120

agtgaaagaa gtgactacaa cttntttggc aacgactcca tgcactcctg gagagaagac    180

tcaaattgat tgtaatactt gcacctgngc cagggatggn tctggatacg cctgcactcg    240

caaaatgtgt ttgccagcca cccacgatcg tcgacgtaga gaagctgaaa ctgaagaagt    300

caaagaagtt acaactgata ctttggcaac cactccatgc aaagctggcg agcaaagaca    360

agtggactgc aacacctgca cctgtgctgc tgatggaact ggatatcaat gcacccgcca    420

agcttgtgag tttgcagt                                                 438
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aatttacttt tttataactt ctttataact aatttgtttt tttaatttat ttaaataata     120

gataaattga ttattctgct tccttatcct ccgcgtccaa aatagttttg aagcaaaagg     180

ggtgggacca aatancccaa accagagtag accttactca tgaactccac ccagtgaaac     240

gcagnggtgc aa                                                         252


<210>  1635
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aatatttatt tccaatttgc aaatatggaa actaccatcc ctatattata tataattgta    120

tatattcctg aattgnttta tttgaattta ttttaaacac aaactttaat tatattcaaa    180

taatgatgga cgtgatttca tatatcccta aactttggat cagagtttga gagaagccta    240

gccatagtgt atagaaaatt atgtgtaggt gtataattaa gattgncagg agtcaaatat    300

ataaagcatt gatacaaatt atacatccca nttttctgna aaccgggttc tttggntgat    360

tatgggttat atcacanctt atgaatcatg taaattaatt gnaaatttga aatgnatctn    420

cgatgtaaat gntaaaaaaa aaaa                                           444


<210>  1636
<211>  86
<212>  DNA
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ttccgtgacc aggaaggaca agatgt                                          86
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<210>  1637
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<212>  DNA
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ctagcagtct tataaaatac agntcaacaa ttcttatctt atcagngctt tctaaaataa       60

catacataat ttaaatcaaa attaaatacg agtaacaaaa gtagtaaaca aatagaatta      120

gttctaatct tcttacacct aaaaactatt ttagataaat tgagtagatc gccattttct      180

tttaatttaa taaattcttt tttatgatgn attaaatatt catatatcgc ttatttaaat      240

gtttccggna tcttataatt tgt                                              263
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<210>  1638
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<400>  1638
aggaatgtt ccagcttatg gagcccaann tattattgaa ggtccgcaaa gctggtttng       60
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atttggtaga atcagtttta actgatgcca tggatcagta taaacaacag atggttacca    120

aagaagttgt cgccactatc aatagggaag cattttttgcc agtagaatgc tgcggtggag    180

ttgaattgag tggacttaat ggccgcatta aggtttcaaa cacattggaa tcccgtttgg    240

acttgattgc tcaacaattg attccagaaa tccgaactgc cttattcgga agcaatgcca    300

accgtaaatt cacagactaa atattcatat caaattacat gattaggatg caaagtgacc    360

tagattcgta ttagtaaaaa gcatcaagat caaaatgaat gcacaatcag attcataatg    420

agtgtttttg catgatacac attttttcag acaatagttc atataattga tgcttcactt    480

tgcttcatag tcctattt                                                  498
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<210>   1639
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tcagaaatta ctatagttaa tgacattttg tttgtgctcc ttacataaaa tacanttttta     120

tacatttaa  tttttataca tatnttttat atttaattgc acagatcatt tgtgtattta     180

ttatattaat ngactacttt atgataattt gaatcctaat tagtctattc aagattgttt     240

tcctggttta agccttactt agcaatctca cttttgcatt cttcgccggg nggcgtgggt     300

atgcatcgna actccgtttt atcaaagngc aagccatttg acaatcata  atgttttatt     360

tgccatttgt tgntaaccaa gaaacattga taatatttt  tacaatctnt tcnatcggaa     420

aaaacgtttt cactttgca  tgcagttctg cacgagaaag attttgggtc aaaccattcg     480

ttgacg                                                                486
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<223> n = unknown

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acatgtaatt tnataaagct tctatattta tatattttaa ataatcagaa attactatag      120

ttaatggcat ttngtttgtg ctccttacat aaaatacaat tttatacatt ttaattttta     180

tacatattcn ttatatttaa ttgcacagat catttgtgta tttattatat taattgacta     240

ctttatgata atttgaatcc taattagtct attcaagatt gttttcccgg nttaagcctt      300

acttagcaat ctcacttttg cattcttcgc cgggnggcgt gggtatgcat ngcaactccg      360

ttttatcaaa gngcaagcca tttggacaat cataatgttt natttgccat ttgttgttaa     420

ccaanaaaca ttgataatat tttttacaat ctcttcgatc ggaaaaaacg ttttcacttt      480

tgcatgcngt tctgnacgag                                                  500
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<210> 1641
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<212> DNA
<213> Ctenocephalides felis

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<222> (113)..(113)
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<400> 1641
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gcaggcagca tttgcacaca tttgtgtgaa tataaaacat taataaaatt atntgcataa     120

caatattttt acaaatctac tacaatcaat atttcaacta tatacaatga ttattaaaaa     180

ttgaagattc ctattttatg aaaaatagtt tggaacagat ttaaattact tagtcatttc     240

tttcattctg tttaatgcac tgccagcttt gaaccatcca atttgcaaat cgttcaacgt      300

gtgtttcagt aagattttat cgacttttcc atcagcatgt ttgatctcac actcaacagg     360

ctttccagca ctaagtttgt ccaaacctaa caagctgatt ttgtcagttg gttgaatctt      420

gtcataatct cctggtgtgg caaaagtcag tggcaacatt ccttgctttt tcaagttagt     480

ttcatgtata cgtgcaaaag                                                  500
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<210> 1642
<211> 232
<212> DNA
<213> Ctenocephalides felis

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aagttttgga actaaccccct gatgagcgcc ctagcctgtt cttcttccgc ttatcaacaa    120

atttcaaatc ccccgaagac accgacaaag ccaaaacaga gctcaccaaa gccatcaaaa    180

ctttaagcga agccttcgac aaaacctaca aaggcaaagt gctgtttaca gt            232


<210>  1643
<211>  414
<212>  DNA
<213>  Ctenocephalides felis


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<220>
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<223>  n = unknown

<400>  1643
acacaattag caataggaaa atctantttc aaatattttt aacantttat ttaatnggtt     60

atgttctaga aatacaaagt gtaaagttca aggtttgtat agcttaataa agtaaacatt    120

ttaaaatgta atgaatttat ctgcaaatag tcaaaatcaa aattactata taatgattat    180

tgaaataatg cttttataga ttgcatttca atctgtatta aattgtatgt aaatcacagc    240

acaagatcta acacacaatt catctaacag aaagaacaaa ataattttaa tgttattaaa    300

aattacatat aaaataactt ttacaataaa gtaaccttac atgagatgtg ttgatttcag    360

atacttttca tacaacagtg ctttctgtat aaacaatata atataaataa cggt          414


<210>  1644
<211>  497
<212>  DNA
<213>  Ctenocephalides felis


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<400> 1644
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tgtaatttca taaagcttct atatttatat attttaaata atcagaaatt actatagtta   120

atgacatttt gtttgtgctc cttacataaa atacaatttt atacatttta attttttatac   180

atattttta tatttaattg cacagatcat tngngtattt attatattaa ttgactactt   240

tatgataatt tgaatcctaa ttagtctatt caagattgtt ttcctggttt aagccttact   300

tagcaatctc acttttgcat tcttcgccgg gtggcgtggg tatgcatcgc aactccgttt   360

tatcaaagtg caagccattt ggacaatcat aatgttttat ttgccatttg ttgttaacca   420

agaaacattg ataatatttt ttacaatctc ttcgatcgga aaaaacgctt ccttttgcat   480

gcagatntgc acgagaa   497

<210> 1645
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<212> DNA
<213> Ctenocephalides felis

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<223>  n = unknown

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gaacccttaa aatatagtaa atttgcgcaa ccagttactt tgccagaagc caatgaacaa       120

actaaacaca atgcatcagc tacgcttgtc ggatggggaa taaattctac taccgacgga       180

gttttgcaaa cacatctcca agaattgcac taccanatcg tcggatccaa ggaatgtggt       240

gatttgcact ttagacccat ttataaagag caaatttgcg cagcttatcc agattatgac       300

agagcacaat gcagtggaga ttctggaggt ccattgaccg tagatgaggt                  350


<210>  1646
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<212>  DNA
<213>  Ctenocephalides felis


<220>
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<400>  1646
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ctgactttaa cacaagcagt cattcctgcc aaaaacatcc ttgatggcaa atctgcagct       120

gctgcggcag atacacaaat tgctgtatca gtctttgacc agcctaatgc aaacagatac       180

attgtttgaa tagcagaaaa tgctatgtcg gagtatagtg caaatgtcac tccaataacc       240

atatttacat aaatccagtc ttttaacaaa gtcaaatcca aaagtcaac gataacttgc        300

aattttcccc tagatttctt ctctaccggt gcagt                                  335


<210>  1647
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<212>  DNA
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catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt       120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg       180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg       240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc       300

ataaagtagt caattaatat aataaataca caatgatct gtgcaattaa atataaaaaa        360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt       420

cattaactat agnaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt       480

aa                                                                      482
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<212>  DNA
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ttttgcaaat gtaaattttg tatttattta gccaaaattt ggagatctgt gtgttttagg       180

aataaccaga acaatttact attcgtatag taaatatcat ttgctacata taaaaatact       240

ctatattata catactctgt tcatttattt aattttggtg acaatagtcc gattttccaa       300

aaaataacaa tatgcttaaa attacataaa atatactaat tttgtgacaa tatctacaac       360

ataatcttac ttgcaaaga aacataattt aattgaacga acaaacataa atgtggactt       420

aacaaaatat ttaaacaaaa tcttcgaatg ctttntttca aagcatacat ttgaaggtat       480

aaatattatt gctttttta                                                    498
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<212>  DNA
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ggatatgaca caataccagc aacagttgtg acggcttgtg caatggccca gctgataact       120
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aatggggtgt tcttggggtc tggcaacatt ccacgagcgg tgtcatagaa tccaaagtat      180

gctgcacggt agatgatgat accttgaaca gatactccaa aaccacggta caatccaggg      240

agaccatcag acttgaagat tttggtcaag cagttgccca atccagaaa ttcacgttga       300

ccagcgcctt tacctacatc agcggncaat ctggtacggg cgaaatcaag tgggtagacg      360

aagcacaatg atgtggctcc agcagcacca ccagatgcca agtttcctgc gaagtaacgc      420

cagaattggg tcttcttgtc aactccaccc aagaaaactt gcttgtcttg tctttgaatg      480

cgangtcaaa gcctgagt                                                    498
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cagcaaatga gtaaacacac agtcaaggca tggaaacata ttatgtagnt gtgngttgca      120

tctngaataa acccaacgat tggacccaaa gccaatgtca ttattccttg caagaacatg      180

aacagcccgt atgccgaagg aaatctctcc tgngaaaaat attcggcaaa tactaaaggt      240

aaaggcacat gaatccatgt gcggaagaat cccaaaaaac ttgatattat aagcatcatt      300

gtaaagtcag tcacgtacaa gaacactata cgtgcgaaaa ctgagaataa agctcccgct      360
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aaaaatactg ttctactgct gactttaaca caagcagtca ttcctgccaa aaacatcctt    420

gatgacaaat ctgcagctgc tgcagcagac acacaaattg ctgtatcagt ctttgaccag    480

cctaatgcaa acagatacat                                                 500
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cangcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt    120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg    180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg    240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc    300

ataaagtagt caattaatat aataaataca caatgatctg tgcaattaa atataaaaaa     360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt    420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaaaa    480

aaaaaa                                                                486
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ccatcgtgat gctgggtctt ccatacagaa ttcacagtcg tattttttacc ctcaggacaa    180

ccttcagtcg acatatttag gtaaggaaac ttcaaattac cttgagcaat gttaatttgg     240

gctccactta ccatccaact gaccaggatt agacttgctg cagctcccac caaaactccc     300

tttgtgtttg ctttagggaa caagattccc aatgtaaaca ttcccaaaag ggttcctgca     360

gtaactccag tgacactaat gaccaaatgc atgacgcttc taattggtct actacaaaga     420

caagtccgan gcaaattcct ncaattacta ctacagncag cttcataata ttactgggng     480

tcttttactt agtggtaa                                                   498


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ggnatatatt taaaataann agaaatnact atagctaatg acattttgtt tgtgctcctt   120

acataaaata caattttata catttttaatt tttatacata ttttttatat ttaattgcac   180

agancattag tgtatttatt atattaattg actactttat gataattgga atcctaatta   240

gtctattcaa gattgttttc ctggttnaag ccttacttag caatctcact nttgcattct   300

tcgccgggng gcgtgggtat gcatcgcaac tccgttttat caaagtgcaa gccatttgga   360

caatcataat gtttttattg ccatttgttg ttaaccaaga aacattgata atatttttta   420

caatctcttt cgatcggaaa aaacgntntc actttagcat gcagttctgc acgagaaaga   480
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ttttgggtaa aaccattcgt   500

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catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt   120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg   180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg   240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc   300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa   360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt   420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt   480

aaaaaaaana aa   492

<210>   1655
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caagcttaaa ctttgcgtat tatgtaaaat taaaatatac aaaaaatata ctttgagtaa   120

atatgttgtc aatgatatat cattgatata gaaggctttt tatcagcttt ttataaattt   180

cgataacaca gatattgata aataaattac atgtgacccg gcaatgcttg aggtccctgc   240

ataaatatat ttgaccccat tcgctgctga tattgcacac tttgttggga ttcatcgtta   300

ggattagaat ggcttgatgc aggtatggtt cccatgccat ttgtaatatg caatccattt   360

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aaatgttgag acatttgatg tattaacata ggattagggc ctggttgtgg ttgtcctatt    420

ggttgaggat tattcgctag ggacatttga gaactgttct gaatcaattg catttgtggc    480

tgactttgat ttactatt                                                  498
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ataccactgt tgttttatca tataaaaatg ccataagtat ggagctaatg catccaatca    120

ccatcaatat atatatatat gaagagtctt ttatccttcc tgggtaaagt tttctgt       177
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aatggggtgt tcttggggtc tggcaacatt ccacgagcgg tgtcatagaa tccaaagtat    180

gctgcacggt agatgatgat accttgaaca gatactccaa aaccacggta caatccaggg    240

agaccatcag acttgaagat tttggtcaag cagttgccca atccagagaa ttcacgttga    300

ccagcgcctt tacctacatc agcggccaat ctggtacggg cgaaatcaag tgggtagacg    360

aagcacaatg atgtggctcc agcagcacca ccagatgcca agttcctgc gaagtaacgc     420

cagaattggg tcttcttgtc aactccaccc aagaaaactt gcttgtactt gtctttgaat    480
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gcgangttca aagcctga   498

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<212> DNA
<213> Ctenocephalides felis

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aggattcctt aaccggatct gctcctattt ccggacaata ctgcatttcg ggtgaactgc   120

acgaattcac gcaactaaat tttactttt tacatttttg ctcgggtttc ggtacaggtg   180

taggttcagg agtaggtact actcctggtg cgggctcatc caatgatgca aatacttctt   240

tatttactgt taaaggcgtt ccgtcgacat taaactcacc atcataagcg gtaacgacag   300

ataacgccac aaaactaata aaaaccaatg tgatataaaa cattctaata aatatgttac   360

ccagc   365

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<211> 256
<212> DNA
<213> Ctenocephalides felis

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ctttcttgca acaattccat ttcggagtat tttactctta tttgaaactc aaggaacaag   120

agtgccgtaa cattgtttgg ataagtgagt gcgttgctca aaagcacagg accaagattg   180

acaactacat tccaatattt taattaattt gttgttaatt ttgataacgt tgattttatc   240

cagatgtttg ttgtgt   256

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acaaaggaag aactattatt cttaaattaa agggaaattt tacatnatac attcaanang     120
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natcaattct aaaattatgn gaataaccaa aattttaaac cattaacaca aatntttttt   180

attcccactt aacttattac ttattaaaat attacttggc aagtattttt atatttttgn   240

attttttttag gtatattata aagacncctt tagttgttgc cttatgaata aaatacatat   300

ttataataca ttcacatatt atatactaaa ctattgagaa gacttagacg atttaatgga   360

attaatatga aggaatttat taatttaaat tttataaata taaaaaattt tagtgctttt   420

tttaagatat cctatgttat attataattc gntttcattt acagatgtgg catataggta   480

tattcttngt ttaattaatt   500

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tttatacatt ttaattttta tacatatttt ttatatttaa ttgcacagat catttgngta   180

tttattatat taattgacta ctttatgata atttgaatcc taattagtct attcaagatt   240

gttttcctgg tttaagcctt acttagcaat ctcacttttg cattcttcgc cgggtggcgt   300

gggtatgcat ngcaactccg ttttatcaaa gtgcaagcca tttggacaat cataatgttt   360

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tatttgccat ttgttgttaa ccaagaaaca ttgataatat tttttacaat ctnttcgatc    420

ggaaaaaacg ttttcacttt tgcatgcagt tctgcacgag aaagattttg ggtcaaacca    480

ttcgttgacg tcgcttcaca                                                 500
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actcttattt cattaaataa aatcacaaac ataaatattt taaatacata tatacaagta    120

aaacatttct tggtctaaat aatgccatat actttatgat aatattttat attaaaatgt    180

ttcattatca aattactaat cacttacgga tgtcaataaa caaatctaaa atgatgattt    240

aacaatatgt ttattgttct cttatttctt taaatttatc actaattctt atatctttga    300

tctacaacaa aataaattat cgcatgtaaa ataatggaga gtaattttca attttcaagc    360

aagattccat gaaagattta atttagaatt gagatttgaa ttaacaatgt ttagttcaga    420

atagt                                                                425
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cttatcgcat ttgtaggtgt cggtgcagcc tctcttcact ttatctccgt caatatctaa     180

gtagcatttg cccatgcatt tggtcttcgt ctcgactttt tcagggtcgt caaggcaatt     240

ttcatcattt tcatcacaag aaacacattc gtgttttttg gcatcaccat tgcattcgtt     300

tttgtcacaa gttgggcaac gttctggttt tttctcgcac attttttttca gattctggtt     360

cttgaacagg ttgctggtgc accctaattt tatggcatca ccttgtgcat ttaaaatact     420

caaacaagta tcttgtggct tgagacaaac ttccttggca tcatctttag cgttgcaaac     480

cctgcgattt cttgggaaaa                                                  500
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caagcttaaa ctttgcgtat tatgtaaaat taaaatatac aaaaaatata ctttgagtaa     120

atatgttgtc aatgatatat cattgatata gaaggctttt tatcagcttt ttataaattt     180

cgataacaca gatattgata aataaattac atgtgacccg gcaatgcttg aggtccctgc     240

ataaatatat ttgaccccat tcgctgctga tattgcacac tttgttggga ttcatcgtta     300

ggattagaat ggcttgatgc aggtatggtt cccatgccat ttgtaatatg caatccattt     360

aaatgttgag acatttgatg tattaacata ggattagggc ctggttgtgg ttgtcctatt     420

ggttgaggat tattcgctag ggacatttga gaactgttct gaatcaattg catttgtggc     480

tgactttgat ttactatt                                                   498
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nggtttcata aagcttctat atttatatat tttaaataat cagaaattac tatagttaat   120

gacattttgt ttgtgctcct tacataaaat acanttttat acattttaat ttttatacat   180

atttttata tttaattgca canatcattt gngtatttat tatattaatt gactacttta   240

tgataatttg aatcctaatt agtctattca agattgtttt cctggtttaa gccttactta   300

gcaatctcac ttttgcattc ttcgccgggt ggcgtgggta tgcatcgcaa ctccgtttta   360

tcaaagtgca agccatttgg acaatcataa tgttttatttt gccatttgtt gttaaccaag   420

aaacattgat aatattttttt acaatctctt cgatcggaaa aaacgttttt cactttttgca   480

tgcagttctg cacgagaaag   500

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acattaaaat tattttgttc tttctgttag atgaattgtg tgttanatct tgtgctgtga     180

tttacataca atttaataca gattgaaatg caatctataa aagcattatt tcaataatca     240

ttatatagta attttgattt tgactatttg cagataaatt cattacattt taaaatgttt     300

actttattaa gctatacaaa ccttgaactt tacactttgt atttctagaa cataagtatt     360

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<210>  1667
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cttaaatgcc ttatcatatt tgcgagcctg tgttcaacca taatattttt ttatataaca     120

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<210>  1668
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<223> n = unknown

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atatatctta catcgaatct aataacntta aagagttatt aattttcatg tcgatggntt   60

agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttctcaaag   120

tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct   180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca   240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat   300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac   360

tgccattgcc ctgagttgtg tagggt   386

<210> 1669
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (58)..(59)
<223> n = unknown

<400> 1669
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aaagataaat acacaaataa tagattccaa tagtaagaat taagtaaaat atgaagccat   120

atgtacatat tatattcaca ataatctaat cttccaagtt gcggaatgct tgctgtaaat   180

cctcatgtaa ttgatcaaaa tcactcttga tctttgcctc accatccttg actgggtcct   240

tgaacttcat tgaggacaac tgatatagaa tattgcccat agcatctcta atggtattcc   300

aggtaatctt gttttcactt tgtgcagtag attcaactgc gtattttgcc atatcatag a   360

aagcaataat gttacgtaac ataccaactg ttttatagaa ggggcagaaa cgatcatatg   420

atgagtagct gttctgctgt aggaaatcgt ctttcaagag cttggcaact tcaaagtgtg   480

atcttgtcag ttttccgc   498

<210> 1670
<211> 425

<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (41)..(41)
<223> n = unknown

<400> 1670
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catttataac aaaatgtcag ctgccattgg aaagttttcg attgttaaaa accagcaaag   120

ccatagtcaa taaaagaagt ttgaaatatc agattttct gttcgagaat ttaatactgt   180

ttactgaacc tactattgtg aacaatgaag agtttttac ctgcaaagac tatatatctg   240

gatagaattt taccacctgt cgaatgtcag aagtctttat atgcatttac cctgacgagt   300

tcagaaaata aatctagaat tttccatata aaatgctcaa gtggcgatga aagatcgtcc   360

tggatgacta ttattaggaa tattttgttt cagcaacaac aggcatggaa agaagcaatg   420

aaaaa   425

<210> 1671
<211> 393
<212> DNA
<213> Ctenocephalides felis

<400> 1671
tctccaatat caaagcaggc tacagacaga acatggggat cacgagagct ttcaagtaag   60

tggatcaata tacgcaataa ctcataattc ttctcattga gacgtggggc attctctctc   120

cagaacttag cagatttgtg aacaggtgac cattccaatc tgccggactt gatttctgta   180

gcatattcat caaatgagct aaggtcttga atggaagctt gtaattttc ggtcaaatat   240

tcaacatcag caacgatatc ctcatcatct gaacgtcttt gttccaggat ggataattgt   300

ttcaatacct tgctttgcac cattgcaatg caatgctcct tggccacctg ttgatcttcc   360

actttctcaa ttaaattcct ataaacagcc agt   393

<210> 1672
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (37)..(37)
<223> n = unknown

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<220>
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<222>  (64)..(64)
<223>  n = unknown

<400>  1672
tttttttttt tttttttaa ttgataaatt ttatttnaaa cttgcaaaaa ttatttaaac     60

aatngacgca tagcacattt cgctcgtgca aatctcttcc tcgcattcca gacaagtttc    120

cttatcgcat ttgtaggtgt cggtgcagcc tctcttcact ttatctccgt caatatctaa    180

gtagcatttg cccatgcatt tggtcttcgt ctcgactttt tcagggtcgt caaggcaatt    240

ttcatcattt tcatcacaag aaacacattc gtgtttttg gcatcaccat tgcattcgtt     300

tttgtcacaa gttgggcaac gttctggttt tttctcgcac attttttca gattctggtt     360

cttgaacagg ttgctggtgc accctaattt tatggcatca ccttgtgcat ttaaaatact    420

caaacaagta tcttgtggct tgagacaaac ttccttggca tcatctttag cgttgcaaac    480

cctgcgattt cttgggaaaa                                                 500
```

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<210>  1673
<211>  498
<212>  DNA
<213>  Ctenocephalides felis

<400>  1673
ataaagtatc cgttcaatgg taacgttttt cagcaaacca ataattagta acatctagaa     60

aaggagctga taatgacaaa gctgctaaaa aacaggtatg tcttaaagca actcttctac    120

ataatgcagg atcagtaact gccatcattc tatacccagc tctactgtaa tccggtctta    180

aattccaaga taatgcatta aaatgtggaa attgccacgt atataaaga cctcctaaga     240

taaatgctcc tgcacttaaa ttaccggaac aagcagccca acccattagg ggtgggattg    300

ctccgacgat tgatccaacc caagtattca gaatacttat tcttttcatt ggagtatata    360

cggaggtata taatattaaa ttagctgctc ctaatcctgc tgttaaacca tttacaccaa    420

aatataacat acctataccc gtagatgcag caaccgtagc aaaacctaca gcatgtaatg    480

gacttaaaat cccctgac                                                   498
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```
<210>  1674
<211>  441
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (93)..(93)
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<223> n = unknown

<220>
<221> misc_feature
<222> (436)..(436)
<223> n = unknown

<220>
<221> misc_feature
<222> (439)..(439)
<223> n = unknown

<400> 1674
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gattactaca ggtatctagc tgaagtagca acaggagaaa cccgtaacac cgtcgtagat      60

gattcacaga aagcttatca agatgcattt ganatcagca aggccaaaat gcagcctaca     120

catcctatta gattgggtct tgcacttaac ttttccgtat tttattatga aatactaaat     180

tcacctgata aagcgtgtca acttgcgaaa caggcattcg atgatgcgat agcagagctc     240

gataccctaa atgaagattc atataaagat tcaactctca taatgcaatt gctgcgagat     300

aacttaacac tgtggacatc agacacgcag ggtgatggag atgagcctca ggaaggcggg     360

gacaactagt cctgaaaacc ttacctatcc acttccgtat tccttaattc acccttatac     420

aatcccttcg ttattnggna a                                              441
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<210> 1675
<211> 173
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (27)..(27)
<223> n = unknown

<220>
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<222> (56)..(57)
<223> n = unknown

<220>
<221> misc_feature
<222> (120)..(120)   '
<223> n = unknown

<400> 1675
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cgaaacccga gcaaaaatgt aaaaaantta aatttagttg cgtgaattct tgcagnncac      60

ccgaaatgca gtattgtccg gaaataggag cagatccggt taaggaatcc tgtagcccan     120

atcaagtgtg cgctgatcaa agtggatatc tacagtgcac cactaaagaa agt           173
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<210>  1676
<211>  325
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (58)..(60)
<223>  n = unknown

<220>
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<222>  (252)..(252)
<223>  n = unknown

<400>  1676
agatctacta atgccgcgtt taccactgtc acagcaattc cgcaaaccag caaccacnnn      60

atataaatat gatgctattg ttaaatgttc aataaatgca caaattattc cacaaatccc     120

gcatgagacc gtcacgaata caagaattgg aagctttccc acagagttaa taatagcacc     180

tattatggga aatccaatcg catatccagc ttccaacatt aaagaatgca taaatgcctg     240

ttcttccatt gngtctttac actcggtcgt actattcgta gcatcaatgc ttagggcgga     300

cgacttcatt gatactacga atagt                                          325


<210>  1677
<211>  498
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (30)..(30)
<223>  n = unknown

<220>
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<222>  (58)..(58)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (244)..(244)
<223>  n = unknown

<400>  1677
agtaagaagt aacttaaacc gcaaacgttn ccagcatatc aataacatta ttgtgttntt      60

ggcgagtgtc cagcttgtga acaaactcat cattccaaaa acatgttcgg gttcagacga     120

ataatctttt agcatttcta atgcatcatc gttcaatgtt gcaccattaa cttttgcaat     180

tgtgcgtaaa gttttttcac atttcttcat ttttccccgg cttgctagcc atcttggtga     240
```

```
ttcnatcata tatttgttat taattaaaaa tattgcaaat ggcaatgaag aaactagaac    300

gaaatcaaac caatttctca accaccacat cagaagaggc attgtgcaaa ttccaaatgt    360

ccacccaatt ccttgcaaca tagcgacgtg tgagttttca tcactggtcg atatttccat    420

tcctatgaca agaacagtct ggtataaaga catctgtggc agtgcagtca ccacatatcc    480

aaatacatac caataata                                                 498
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<210> 1678
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (37)..(37)
<223> n = unknown

<220>
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<222> (39)..(39)
<223> n = unknown

<220>
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<222> (56)..(56)
<223> n = unknown

<220>
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<222> (77)..(77)
<223> n = unknown

<220>
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<222> (220)..(220)
<223> n = unknown

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<222> (474)..(474)
<223> n = unknown

<400> 1678
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gttgttgaaa tattattaaa ttttttttatt atattcngnc cctttctgt atgggnttaa     60

attacattcc atgatanttt tcagttttat ataatctaat aaattcaatt taactgttga    120

aatttgatca tattgtgtat atacatagca atataaaata taaagttaca cattgtctgt    180

ttcattataa ctgtactgca aaattaatta ttttgattgn ttgttactgt attattaaag    240

ttattcagat tcagtcaaaa tttaaatgtt tggcctaaac ttattattga aatattgcca    300
```

```
atagtgtatt attacttagc aattatgtat aaagatttta tttattaaag caatattcgg      360

aatgtctgta atatcataaa ttatgtatat aaataaatat atcaatgtga acaataacag      420

agaacataag ctcaaattca tcatactatg tctgaaaatt caaatataaa ttgntcttta      480

gtgtaaataa ataataaatg                                                  500
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<210>  1679
<211>  484
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (21)..(21)
<223>  n = unknown

<220>
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<222>  (29)..(29)
<223>  n = unknown

<220>
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<222>  (58)..(58)
<223>  n = unknown

<220>
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<222>  (418)..(418)
<223>  n = unknown

<220>
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<222>  (435)..(436)
<223>  n = unknown

<400>  1679
tgaaatgtga agacgacgtc nacgaatgnt ttgacccaaa atctttctcg tgcagaantg       60

catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt      120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg      180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg      240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc      300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa      360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaangt      420

cattaactat agtannttct gattatttaa aatatataaa tatagaagct ttatgaaaaa      480

aaaa                                                                  484
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<210>  1680
<211>  113
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (56)..(56)
<223>  n = unknown

<400>  1680
tttttcttct ggtcattatg ctgaatttta agaaccttgt taatgctgcg tgcacnggca      60

acgcgcctcc aatgaagata ttccgtagcc gaagagttct tctcggtgat ggt            113


<210>  1681
<211>  289
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (52)..(52)
<223>  n = unknown

<220>
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<222>  (82)..(82)
<223>  n = unknown

<400>  1681
tttggaaaac ccccaggtac agatctacta atgccgcgtt taccactgtc antttaattc      60

cgcaaaccag caaccacaaa tngaaatatg atgctattgt taaatgttca ataaatgcac     120

aaattattcc acaaatcccg catgagacca tcacgaatac aagaattgga agctttccca     180

cagagttaat aatagcacct attatgggaa atccaatcgc atatccagct tccaacatta     240

aagaatgcat aaatgcctgt tcttccattg tgtctttaca ctcggtcgt               289


<210>  1682
<211>  498
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<222>  (71)..(71)
<223>  n = unknown

<220>
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<222>    (189)..(189)
<223>    n = unknown

<220>
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<222>    (226)..(226)
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<222>    (409)..(409)
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<222>    (438)..(439)
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<223>    n = unknown

<220>
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<222>    (452)..(452)
<223>    n = unknown

<400>    1682
cgtcaagtcc aatccaagag tggaattttt ttcaggaaag ctactagaga ggtgggattt      60

ccaccagtgg natcgagaaa taatcgcaca attagctgtg ttcgtgccct ggaccaatat     120

gtaaatggcc aaggaggcta tgccactctt gtcaatggtg gagttggctg gaaaaatgta     180

actttactnc tatcttctca gactggcaaa ggatttaact tcttanttga aatttgggga     240

tattagatta gaaatataat gaaaatggtg aatatagaaa aaaaattaaa tatacaatag     300

tattttaaat ttggcacaca tctatctatg catccataaa taaaggttat atacagcatt     360

catttataat ngnttaagaa ttataatgat tttatgangt ttagtatant gttcaccaat     420

gtaaccacca atggcagnnt tataaatctn gngatatata tatgaggtaa attatattcc     480
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gaaaaatgga tgaaccct   498

<210> 1683
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (28)..(28)
<223> n = unknown

<220>
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<222> (31)..(31)
<223> n = unknown

<220>
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<222> (58)..(58)
<223> n = unknown

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<223> n = unknown

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<222> (152)..(152)
<223> n = unknown

<220>
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<222> (165)..(165)
<223> n = unknown

<220>
<221> misc_feature
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<223> n = unknown

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<223>  n = unknown

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<222>  (472)..(472)
<223>  n = unknown

<220>
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<222>  (500)..(500)
<223>  n = unknown

<400>  1683
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ttttaacggc ccaaacgatt tattttttntt naaaagatac atgtaatttc ataaagcngn        60

tatatttata tattttaaat aatcagaaat tactatagtt aatgacattt tgnttgtgct       120

ccttacataa aatacantnt tatacatttt antttttata catanttttt atatttaatt       180

gcacanatca tttgtgtatt tattatatta attgactact ttatgataat ttgaatccta       240

attagtctat tcaagattgc nttcctgggt taagccttac ttagcaatct cacttttgca       300

ttcttcgccg ggtggcgtgg gtatgcatcg caactccgtt ttatcaaagt gcaagccatt       360

tggacaatca taangnttta tttgccattt gctgttaacc aagaaacatt gataatantc       420

tttcaatctc ttccgatccg ggaaaaaaac gcttttcact ttttgcatgc anttctgcac       480

cgaagaaaag aattttgggn                                                   500
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<210>  1684
<211>  229
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
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<222> (62)..(62)
<223> n = unknown

<220>
<221> misc_feature
<222> (122)..(122)
<223> n = unknown

<400> 1684
tattctgaac taaacattgt taattcaaat ctttattcta aattaaatct ttcatggaat   60

cntgcttgaa aattgaaaat tactctccat tattttacat gcgataattt attttgttgt   120

anatcaaaga tataagaatt agtgataaat ttaaagaaat aagagaacaa taaacatatt   180

gttaaatcat catttttata gtaaatgata gatttatgac aacgtctgt   229

<210> 1685
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (40)..(40)
<223> n = unknown

<220>
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<222> (60)..(61)
<223> n = unknown

<220>
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<223> n = unknown

<220>
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<222> (356)..(356)
<223> n = unknown

<220>
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<222> (358)..(358)
<223> n = unknown

<220>
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<222> (374)..(374)
<223> n = unknown

<400> 1685
tctgcatgat gtctaataat attctcgatt tttgcgcagn ttgtttgttg tatttttagan   60

nctaagttga agaagaactt ttacaaataa ttcactagaa tattcattta ttcataantt   120

```
tagattctgg agtaaacaat atggaagcaa aggtttcatt tcaaacagct tgttttaaat    180

tgtaattgaa taaaattaat acaaaataat acatatatac aatgtgtagc actactgccc    240

ttggacaggt ccgtccaact tgacaccatc cacataggtc ccgcgcgtta gcgacctcgg    300

tcactacaac cttatattaa gaaagcccac ctagtgtgaa attttcagaa aatcgnantt    360

ttgactttc cgtnttcga taagttaaac cttaaaaat aatcacagtg ctgatcaagc      420

tttccgacaa acgcaagaac atatcaataa actcaaatgt ggcttgccaa aatggaagat    480

ttgcattaaa tggaaacc                                                  498
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<210>  1686
<211>  345
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (30)..(30)
<223>  n = unknown

<220>
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<223>  n = unknown

<220>
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<223>  n = unknown

<220>
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<223>  n = unknown

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<222>  (335)..(335)
<223>  n = unknown

<400>  1686
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acaccgctcg tggaatgttg ccagacccca agaacacccc attagttatc agctgggcca    120

ttgcacaagc cgtcacaact gttgctggta ttgngtcata tccattcgac actgtccgta    180

ggcgtatgat gatgcagtct ggacgtgcaa agtctgaaan gttgtacaag gaacactgc     240

actgctgggc caccattgcc aagacagaag gaagtggtgc cttcttcaag ggagctttct    300

ccaatatcct ccgtggtact ggtggagctt tcgtnttggt cttgt                    345
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<210>   1687
<211>   396
<212>   DNA
<213>   Ctenocephalides felis


<220>
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<222>   (8)..(8)
<223>   n = unknown

<220>
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<222>   (55)..(55)
<223>   n = unknown

<220>
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<222>   (81)..(81)
<223>   n = unknown

<220>
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<222>   (157)..(157)
<223>   n = unknown

<220>
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<222>   (178)..(178)
<223>   n = unknown

<220>
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<223>   n = unknown

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<223>   n = unknown

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<223>   n = unknown

<220>
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<222>   (301)..(301)
<223>   n = unknown

<220>
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<222>   (307)..(307)
<223>   n = unknown

<220>
<221>   misc_feature
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<222> (310)..(310)
<223> n = unknown

<220>
<221> misc_feature
<222> (355)..(355)
<223> n = unknown

<400> 1687
aaggagcntt atatgcaaat tatatttttg agcctttata aatctgtgaa tgaanggcac   60

cactctatct tctaacctaa ngcgtacttt ccgctttaca gaacttcttt aataggtaat   120

acttttaatt gcagccgtat catattatag cttgtangtg ttatatttta tttgtaantn   180

gttgttcata tttctcaaac gattgntcat gtattacaca gtattaaaat aaaccttgga   240

tgcaataatt gttataacaa cattgtcgtt agtaataaaa nnttatcagt ggattataat   300

ngtaatntgn tttatccttg tatgtttatt gttgcattga tataaacagt agcanattat   360

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tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg   180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaacgcaaa agtgagattg   240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc   300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa   360

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atatcaggaa catctctgat agcatgtgga gtgattgcnt tctttatacc gaacatttat     180

cagaagcang tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt     240

cgtgtgttgt gaaatgcant tatactttga gaaagtatta tcaattacaa agaaaattca     300

gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt     360

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ggtagacaca caaattgctg tatcagtctt tgaccagcct aatgcaaaca gatacattgt     180

ttgaatagca gaaaatgcta tgtcggagta tagtgcaaat gtcactccaa taaccatatt     240

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tataattgcn tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct     180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca     240

tgctatcaga gatgttcctg atattaaaaa ngttaaatcg caattataat ctagaattat     300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac     360

tgccattgcc ctgagttgtg tagggtacan atctactaat gccgcgttta ccactgtcac     420

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aagcacaaat tattccac                                                   498


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caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat   180

agattttgaa taataacata gaaatcatac tattttttg atgactctaa taaaaaaatg   240

tataaatagc catgcctgat atatttttga tgaccttaat aaaaaaatgt ttaaatggcc   300

atgtctgaaa agatttctat gtgtnttttt ttgttaacat tttattgttg aatggataaa   360

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caaagacaat gt   132

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tataattgca  tttcacaaca  cacgacggaa  atatggttat  ggtccatatg  aagcaatgct     180

cgttcttcta  tccacttgct  tctgataaat  gttcggtata  aagaatgcaa  tcactccaca     240

tgctatcaga  gatgttcctg  atattaaaaa  tgttaaatcg  caattataat  ctagaattat     300

tcctacaaca  ttgcttccaa  caacacttcc  taatcgaccc  atcattaaag  atatacatac     360

tgccattgcc  ctgagttgtg  tagggt                                            386
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acacatattt  ttagaatgat  catatacata  gttaggtggg  cattcgaaaa  cctgaccttt     180

accatctttg  cagaataagt  atcttgtgcn  gtctttcgna  tctggctgat  atcctacaac     240

cgcgcatgta  gtttctgccg  tcttacagtt  ttccccaggt  tttgatgagc  acatgtcatc     300

tacacaaaat  ggagcatcgg  aatttgagtt  tctgcaattg  attgntgnaa  ttggggtctc     360

ttgtccagcg  cacaacttca  aagtagaaca  atcgtgacaa  aatgttccca  actgcttatt     420
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gnataattgc ntttcacaac acacgacgga aatatggtta tggtccatat gaagcaatgc     180

tcgntcttct atncacttgc ttctgataaa ngttcggtat aaagaatgca atcacttcac     240

atgctatcag agatgttcct gatattaaaa atgttaaatn cgcanttnta atcnaagaat     300

tattnctaca acattgcttt caacaaacac tttctaatcg acccaatcat taaagatata     360

catactgncc ttgncctgag ttgtgtaggg gn                                   392
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ccgaaatgca gtattgtccg gaaataggag canatccggt taaggaatcc tgtancccac   120

atcaagtgtg cgctgatcaa agtggatatc tacagtgcac cactaaagaa agt   173

<210>   1698
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tataattgcn tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct   180

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cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca      240

tgctatcaag agatgttcct gatattaaaa atgttaaatc gcaattataa tctagaatta      300

ttcctacaac attgcttcca acaacacttc ctaatcgacc catcattaaa gatatacata      360

ctgccattgc cctgagttgt gtagggt                                          387
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tgggaaaatg ttcttcagac aatttgaata aatgggaatc cagattggaa gaaattaatg      180

atgttgtgga aaattgcatc gtgtgaaatt gtaacttgaa atantttttc ttaactatta      240

gttttataga tgaacaaata catnatctaa taaaccagca                            280
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tgatgtaatt attttatata nttatatata aagaaactgn tttacaatca gtgaatattt     120
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ncacaaaatt attaaaacta tataaatata atacangtcc atcataggta tgactacttt   180

cgacgaaata ttcataattt ngaccaacta ccctctttca taattntgac catattatca   240

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ctaaaaatca catctttacg ttttatgatt taacaataca taaccaaaga ggttgcacag   180

caataagcat tgtttcatac ttcacacata aataaattaa ataaaaaaga aaaccaatcc   240

tgcagntttt atgcattaga aaatatgcgt gcaacctatt ttccttatca tttttaaagg   300

gggatgtcta taaaaatgtt attttagcaa acagttatag atattgtatt cgctaaaggt   360

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gcagtattat ttttacatca atttaaacat cactaaaatc aaaacctaac ctcaaaattt       180

cactaagtga aaatgttgaa gactttattt aatcaaagng tacgacaaaa cagcactaat       240

gcctccttag taagtacagt ttttcacaat agaaacccta gaaatttaga acgaatgagg       300

attgcttata aacctgatgg atggcaagta gataaacctg gacgctcatt ctggcacaaa       360

ttagagttaa ctgaaagctc tcgatatata actgcacgag tggtgcattg gaaggaaggc       420

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agttaccttt ttgtattaaa atatatgtat atttatgaat atgtatttct tgtatttttag    180

gttaaattcg ttatagaata atttggaaat acatattcat aatgctaaag tattaaattg     240

gctttttttcc attaaaatcc tatttaacat tatacatata ttttattgnc aaatgtgagg    300

cggtatggaa tcacgggtgg ctgctttctg agtagtcgaa ccttttaggc aaaaattgtg     360

tanatcaaaa ctcaagttct acaatcttga gctcatccac attctcagaa catccatgta    420

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aataaattat natctctttc actacatata ttacaatcaa catttattaa ataagtgttg   180

aatttattta ttgtgcaaat aataatatgc tttccatgtt ngtaatcaat ttattaattt   240

aattgtatta atttgtcgnt tttacctaca catttttagct actggtaagc taggcataat   300

gtgaaangta tatcttantt cttttgacat caaaagcttt ca   342

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taattgcaca catcattcgn gtatttatta tattaattga ctactttatg ataattagaa     180

tcctaattag nctattcaag attgttttcc tggnttaagc cttacttagc aatctcactt     240

ttgcattctt cgccgggtgg cgtgggtatg catcgcaact tcngttttat caaagtacaa     300

gccattttgg acaatcatta ngttttattt tgccattngg tngttaaacc caaanaaacc     360

atttgataat atntttttta caaattctct ttccatccgg aaaaaaac                  408


<210>  1706
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ttcttggtta acaacaaatg gcaaataaaa cattatgatt gtccaaatgg cttgcacttt     180
gataaaacgg agttgcgatg catacccacg ccacccggcg aagaatgcaa aagtgagatt     240
gctaagtaag gcttaaacca ggaaaacaat cttgaataga ctaatttagg attcaaatta     300
tcataaagtn gtcanttaat tttaataaat ncacaaatga tctgtgcaat taaatataaa     360
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gtaaatggcc aaggaggcta tgccactctt gtcaatggtg gagttggctg gaaaaatgta   180

actttactcc tatcttctca gactggcaaa ggatttaact cttagttga aatttgggga   240

tattagatta gaaatataat gaaaatgtga atatagaaaa aaattaaata tacaatagta   300

tttttaaattt ggtacacatc tatctatgca tccataaata aaggttatat acagcattca   360

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ccacagagtt aataatagca cctattatgg gaaatccaat cgcatatcca gcttccaaca   180

ttaaagaatg cataaatgcc tgttcttcca ttgtgtcttt acactcggtc gt   232

<210> 1709
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gccgnttcaa ctgggccatt agccagcttt gtggatttga gtcccaatta tgccagtatt      180

acgctgggat tgagtggtat gatttctgta atgcctggtt ttatttcgcc tgctatcgtt      240

ggtatactaa catttgaaaa ccaaacgata gagcaatggc agaaagtttt cctcctagcg      300

acagcaatgt tggtcgnttg tggacttta tatttggngt ttgcggattc caatctacaa      360

tcctggaaca gtccagataa aattgtccaa gaccccgaag aaattgttcc aatgacagaa      420

aaacctcgta ttgttatcac taaaaattca attccaacaa gtgatctggc ttatactagg      480

gcgccaaaga aaaaaa                                                      496


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catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt     120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg     180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg     240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc     300

ataaaagtag tcaattaata taataaatac acaaatgatc tgtgcaatta aatataaaaa     360

atatgtataa aaattaaaat gtataaaatt gtnttttatg taaggagcac aaacaaatg      420

tcattaacta tagtactttc tgattatttta aaatatataa atatagaagc tttatgaacc    480

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tggtggaaag gatataatca acatggagaa ggtttatttc ctgcaaactt tgtaactgct   180

gatttatcaa gttgaaccag aacantttag aattgatgct aacaagaaat ctgttcantt   240

ttctgatgct gttcangtca aaactatatc tcatgatgat gaaaccagtc ctgaaattaa   300

tgaagaaagt atagatactt tattaaattt attacatgaa gcaaatcctg aanatcctaa   360

tgatgataca gagcaaatgc tcaacttaga ngttcangta aataaaatgg gccctctgat   420

tgatgctgaa ttaagaaaat attgacagga acatgctca acttacgcaa ttgagtggcg    480

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tgtgatagag aactctatgt aactaataca tttgctattg gacgtgcagg cgaagtcata     180

ggcacattta tttttggaca attaggagat aggattggaa gaagaccagt attttactta     240

agtctcatca caatcgtcac cggaagacta attacagcat ttacttccag ttggtttatt     300

gtttttataa cagcggcttt tcttggttca ctaacatcta catctgtttt tcaaagccct     360

ttgatnattg cgatggaaat atccagaagt gaagatagag cacacattgc catgatgcag     420

tccatcgggt ggaccagtgg aatgattctt atgccgntac tgatgtgggc gacgcgagat     480

tggtttatct ttgctttg                                                    498


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tataattgcn tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct     180

cgttcttcta tccacttgct tctgataaat gttcggnata aagaatgcaa tcactccaca     240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg canttataat ctagaattat     300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac     360

tgccattgcc ctgagttgtg tagggt                                          386


<210>  1714
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agaaaatgat tcagtagcaa cttctgaatt ttctttgtan ttgataatac tttctcaaag     120

tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct     180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca     240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat     300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac     360

tgccattgcc ctgagttgtg tagggtacga aaggaccatt aatttataat aattattta     420

atttgaatta cc                                                         432


<210>  1715
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caacaacgcg cctccaatga agatattccg tagccgaaga gttcttctca gtgatgg         117


<210>  1716
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ttcgcccgta ccagattggc cgctgatgta ggtaaaggcg ctggtcaacg tgaattctct   180

ggattgggca actgcttgac caaaatcttc aagtctgatg gtctccctgg attgt   235

<210> 1717
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ttccattgct tgcagattca caacataaaa cgtgatgctt atgcaaaatt tcattaccac   180

ggctaacagt gataccaaat tctggaggga ttcatcattg gcaatgcata taagaatgga   240

agatgctgcc agagcanttc caaaagaagc tacagaggtc caacgtcttc ctattctgtc   300

gctggagaaa cgtcctagta gatatgctgg taattctact gccgattgat ataaaaagtt   360

gagaaatgga ttacctccca tattgctcac gttcaaaatt aatgtaaaat acgtcacgga   420

acatacaatc cagcaaagca caataagtgt agtatttcta gctaaacgta aactagaaaa   480

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atgcaaaagg t   131

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aacattaccg ataagtagaa aataatataa ctaacagttt gtaatatgct ataaatctta     120

aaacaacact cttgtaacaa aatattatag ggagatattg aagtgaaact ttaaaggtaa     180

atagaaaaga aagcatttgg ttgaaaatga tgaaatttgt ttcaaaactt ctgaactttt     240

ctagaaacgt tgcaaactgt ctgaatttat tgtaaattat caatgtaact tttgcagttt     300

tatttacgaa gtttcactnc tcccgcacta tttttttttt ttgcaaataa atttaagatt     360

ttatgatttt tttgtgaaca acgtgcagta tttttgtatg gatataaaat aataaatcta     420

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agttcaatcg aatccttcct aaatgttatt gaaactgaag aagcacctcc aacctttaat   120

agaactaaca aattcactca aggtttccaa aacttgatag atgcctacgg agttgctagt   180

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agatgatatg tgctcatcaa aacctgggga aaactgnaag acggcagaaa ctacatgcgc     180

ggntgnagga tatcagtcan atccgaaaga ctgnacaaga tacttattct gcaaagatgg     240

taaaggtcag gttttcnaat gcccacctaa ctatgtatat gatcattcta aaaatatgtg     300

taaaaagaaa tcgtnagaag ctgattgcac cgtcatgaaa tgcacaaatc ccanttcttt     360

tataacctat gcaccggacc catcaattta tgcttggtgc aatgacaaat gcaacccga     420

tcgt                                                                 424


<210>  1723
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agttactata gttaatgacn tttncgtttg tgctccttac ataaaataca nttttataca      120

tttnaatttt tatacatatt ttttatattt aattgcacan atcatttgng tntttattat      180

attaattgac tactttatga tantttgaat cctaattagt ctattcaaga ttgntttcct      240

ggtttaagcc ttacttagca atctcacttt tgcattcttc gccgggtggc gtgggtatgc      300

atcgcaactc cgttttatca aagtgcaagc catttggaca atcataangt tttatttgcc      360

atttgtngtt aaccaagaaa cattgataat attttttaca at                        402
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<210>  1724
<211>  411
<212>  DNA
<213>  Ctenocephalides felis
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<223>  n = unknown
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<400>  1724
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gtaatttcat aaagctncta tntttatata ttttaaataa tcagaaatta ctatagttaa     120

tgacatntng tttgngctcc ttacataaaa tacaatttta tacattttaa tttttataca     180

tatnttttat atttaattgc acanatcatt ngngtattta ttatattaat tgactacttt     240

atgataattt gaatcctaat tagtctattc aagattgttt tcctggttta agccttactt     300

agcaatctca cttttgcatt cttcgccggg tggcgtgggt atgcatcgca actccgtttt     360

atcaaagtgc aagcccattt gggacaatca taangtttta ttttgccctt g             411


<210>  1725
<211>  407
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<223>  n = unknown
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cataaaatac aantttatac attntaattt ttatacatat cntttatatt taattgnaca   120

natcattcgn gtatttatta tattaattga ctactttatg ataatttgaa tcctaattag   180

tctattnaag attgtttncc tggtttaagc cttacttagc aatctcactt ttgcattctt   240

cgccgggtgg cggggggtatg gancagncac cccccgcttt atcaaagngc aagccatttg   300

gacaatcata acgttttatt tgccatttgt tggtaaccca agaaacattg ataatattnt   360

ttacaaatct cttccatcgg gaaaaaacct tttcccttttt gcatgcc   407

<210> 1726
<211> 448
<212> DNA
<213> Ctenocephalides felis

<220>
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aattggaata tcacaacacc atcagctang tctgaataca accaattaac atgtggngaa   60

acgcccatag aattcatcca attccggtaa gttttttctt cgcgggtctc ttccacagtc   120

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tctaatccct ctatttcgcc ttctggacna tctaatcctg gatggttgtt gaacaagttg      180

gctacgaacg ctaaattcaa cttataaacg ccattaacaa catctgctgc tgttacaaag      240

cttctgcatt tgagtttagc agcttgttgc agcatgatct cagctctctt tgtcatatct      300

tgttccatga gagcttcgtt cgtaacttga gcttctggag gtgcaatttg tttcaacaga      360

atagtataaa cctctgaatc cgaaatgtcg acttggaagt tattggaacg tctnatagtt      420

ncagcggttg naagatgatg atttaccc                                         448
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<210>   1727
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<212>   DNA
<213>   Ctenocephalides felis

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<400>   1727
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catgcaaaag tgaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt      120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg      180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg      240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc      300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa      360

tatgtataaa aattaaaatg tataaaattg cttttatgta aggagcacaa acnaaatgtc      420

attaactata gtaatttctg attatttaaa atatatnaat attgaagctt tttgaaattt      480

aaaaa                                                                  485
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<210>   1728
<211>   305
<212>   DNA
<213>   Ctenocephalides felis

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<400>  1728
ggcattcgac gttctgcatt cttaacgata cctattatct gttttcaaat cttgggttct      60

ccttgtaatt agtgattgaa tgattttagc cttcttgtca gtccggatgt atgggttagt     120

cgtgtgctgt tattaattta gtgaaatgta ttcgaacaaa tggcttaact tcatagcgct     180

atactcacct ctctgttatc tttctgactc tttatatata catggtatgt atatatgtat     240

gtatatatat atatatatac atatgcatat atctgtttca ctagtcaaca ccttaaatgt     300

gatgt                                                                 305
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<210>  1729
<211>  498
<212>  DNA
<213>  Ctenocephalides felis
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<220>
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<223>  n = unknown
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<223>  n = unknown
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taataagcag ttgggaacat tttgtcncga ttgttctact ttgaagttgt gcgctggaca      60

agaaacccca attacaacaa tcaattgcag agactcaaat tccgatgctc cattttgtgt     120

agatgatatg tgctcatcaa aacctgggga aaactgtaag acggcagaaa ctacatgcgc     180

ggttgtagga tatcagccan atccgaaaga ctgcacaaga tacttattct gcaaagatgg     240

taaaggtcag gttttcgaat gcccacctaa ctatgtatat gatcattcta aaaatatgtg     300

taaaaagaaa tcgtcagaag ctgattgcac cgtcatgaaa tgcacaaatc ccaattcttt     360

tatacctatg caccggaccc atcaatttat gcttggtgca atgacaaatt gcaacccgat     420

cgtactgaaa tgtgaagacg acgtcaacga atggtttgac ccaaaatctt tntcgtgcag     480

aactgcatgc aaaagtga                                                   498
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<210>  1730
<211>  500
<212>  DNA
<213>  Ctenocephalides felis
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<222> (496)..(496)
<223> n = unknown

<400> 1730
tttttttttt tttttttttt ttttgaacgn cccaaacgat ttattttat taaaaagnta   60

catgtaattt cataaagctt ctatatttat atattttaaa taatcagaaa ttactatagt   120

taatgacatt ttgtttgtgc tccttacata aaatacantt ttatacattt taattttat   180

acatatttt tatatttaat tgcacanatc atttgtgtat ttattatatt aattgactac   240

tttatgataa tttgaatcct aattagtcta ttcaagattg ttttcctggt ttaagcctta   300

cttagcaatc tcactttgc attcttcgcc gggtggcgtg ggtatgcatc gcaactccgt   360

tttatcaaag tgcaagccat ttggacaatc ataatgtttt atttgccatt ggtgttaacc   420

aagaaacatt gataatattt nttacaatct cttcgatcgg aaaaaacgnt ttcctttgca   480

tgcagttctg cacganaaag   500

<210> 1731
<211> 498

<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

<220>
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<222> (485)..(485)
<223> n = unknown

<400> 1731

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tgggcgctgg tttggccgta ggattttccg gcttggcggc ggnttttgcg attggaatcg     120

ttggtgatgc tggagtacga ggaacagccc aacaacctcg tctgtttgtt ggaatgatct     180

tgatcctgat cttcgctgaa gtattgggtc tatatggtct tatcgtagcc atctacctct     240

acaccaaata aacaaattat tatggatttc aagatacaca agtcgcctgc ctcccaaatc     300

ccctaatata tatgcagcag tgcagtctgt ctattatttt tgccactcac acttaaaaat     360

atagtggctg taccgntatt tatattatat tgcttataca gaaagcactg ttgtatgaaa     420

agtatctgaa atcaacacat ctcatgtaag ggtactttat tgtaaangtt attttatatg     480

taatntttta ataacatt                                                   498
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<210> 1732
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
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<220>
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<223> n = unknown

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<400>  1732
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tttgngctcc ttacataaaa tacantttta tacattttaa tttttataca tattttttat     120

atttaattgc acanatcatt tgtgtattta ttatattaat tgactacttt atgataattt     180

gaatcctaat tagtctattc aagattgttt tcctggttta agccttactt agcaatctca     240

cttttgcatt cttcgccggg tggcgtgggt atgcatcgca actccgtttt atcaaagtac     300

aagccatttg dacaatcata atgttttatt tgccatttgt tgttaaccaa gaaacattga     360

taatattttt tacaatctct tcgatcggaa aaaacgtttt cacttttgca tgcacttctg     420

cacgagaaag attttgggtc aaaccattcg gtgacgtcgg cttcacattt caagtaccct     480

tggncgngac cccgctaagc                                                 500


<210>  1733
<211>  159
<212>  DNA
<213>  Ctenocephalides felis ·


<220>
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<223>  n = unknown

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atacatataa attactgatt ttgctaaatn tatcagtcgc cttagattgt aaaaagtgaa      60

aaagccagaa cacaagtgta dacaccagaa tcagagttta atcttaccag aaatatgtgg     120

agcgtgtgaa ttatgtaaat atttgtgcaa cgcatatgt                           159


<210>  1734
<211>  500
<212>  DNA
<213>  Ctenocephalides felis
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<220>
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<223>  n = unknown

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<223>  n = unknown

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<223>  n = unknown

<220>
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<222>  (495)..(495)
<223>  n = unknown

<400>  1734
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aagatacatg tactttcata aagcttctat atttatatat tttaaataat cagaaattac     120

tatagttaat gacattttgt tngtgctcct tacataaaat acanttttat acattttaat     180

ttttatacat attttttata tttaattgca canatcattn gngtatttat tatattaatt     240

gactactttta tgataattng aatcctaatt agtctattca agattgtttt cctggtttaa     300

gccttactta gcaatctcac ttttgcattc ttcgccgggn ggcgtgggta tgcatcgcaa     360
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ctccgttttta tcaaagtgca agccatttgg acaatcataa tgttttattt gccatttgtt    420

ggcaaccaag aaacattgat aatatttttt acaatctctt tcgatcggaa aaaaacgttt    480

tcacttttgc atgcncgttt                                                 500
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<210>  1735
<211>  486
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<222>  (434)..(434)
<223>  n = unknown

<220>
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<222>  (477)..(477)
<223>  n = unknown

<400>  1735
tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg     60

catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt    120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg    180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg    240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc    300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaat    360

atgtataaaa attaaaatgt ataaaattgt attttatgta aggagcacaa acaaaatgtc    420

attaactata gtantttctg attatttaaa atatataaat atagaagctt tatgaanggt    480

aaaaaa                                                                486
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<211>  474
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<220>
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<222>  (85)..(85)
<223>  n = unknown
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<220>
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<222> (134)..(134)
<223> n = unknown

<400> 1736
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tttgngctcc ttacataaaa tacantttta tacattttaa tttttataca tatttttttat   120

atttaattgc acanatcatt tgtgtattta ttatattaat tgactacttt atgataattt   180

gaatcctaat tagtctattc aagattgttt tcctggttta agccttactt agcaatctca   240

cttttgcatt cttcgccggg tggcgtgggt atgcatcgca actccgtttt atcaaagtac   300

aagccatttg dacaatcata atgtttttatt tgccatttgt tgttaaccaa gaaacattga   360

taatattttt tacaatctct tcgatcggaa aaaaccgttt tcacttttgc atgcagttct   420

tgcacgagaa agattttggg tcaaaccatt cggtgacgtc gtcttcacat ttca   474

<210> 1737
<211> 294
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (34)..(34)
<223> n = unknown

<400> 1737
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cttgttcata atcatcagca cgagccagag cagctaaacc gtctgggttt agtttaccac   120

aacggggggta caatttagca cgatcatcct tgctcaattc agttccaaac gagttgattg   180

ttatgattat ggcacgtctg tcagcttcaa aagctaatat ttcacacatt gtatcagctg   240

tggatccacc aagtcccttg caaaactcat aaaatgcctc aagataggct ttgt   294

<210> 1738
<211> 361
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (285)..(285)
<223> n = unknown

<220>

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<222>  (325)..(325)
<223>  n = unknown

<400>  1738
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aaaggttgca ttaaatatac aactagcagc agccagagtt tcaactgatg ttggcattaa     120

agtaggagaa gccctcagga atgtcgtgga acttcgttta aatttgggaa aatgttcttc     180

agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg     240

catcgtgtga aattgtaact tgaaataatt tttcttaact attanttta tagatgaaca     300

aatacataat ctaataaacc agcangtgaa cttcaaaaaa aaaaaaaaaa aaaaaaaaa      360

a                                                                     361


<210>  1739
<211>  259
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<222>  (93)..(93)
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<400>  1739
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gccagaagtt gtatagcaca cacgatgatg canttttttca aatgtggtgc ataaaataaa     120

ggcttgaatt gtttgaaacc agctttaaga gcttccattc cttcaggttt gggagaacca     180

tcttgtccat tggctttggt ttcttccacc agttgtttta ttggatattc agtcttgtca     240

ttccaatgat taatcctgt                                                   259


<210>  1740
<211>  361
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<223>  n = unknown

<220>
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<222>  (53)..(53)
<223>  n = unknown
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<400> 1740

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aaaatcgaat cgttggtggc aatgatgtaa gtntttcaaa aaatgggtgg cangtatcag      60

ttcaaagtaa taaccaacat ttctgtggtg gttcaatcat tgctaaagat tgggtgctga     120

cttcttctca atgcgtcgtg dacaaacaaa gtccaccgaa ggatttaact gttcgtgttg     180

gaactagcac tcacaatgat ggaggaaaag tgtatgatgt tattgaaatt ataaaacatc     240

cgaaatataa taaagcagtg ccagatgatt ttgatgttgc acttttacgg atcaaagagc     300

caatatcatt tactccatgc acagtaactc ctgtaaaatt aatacaatcg ggaaaagaag     360

t                                                                     361
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<210> 1741
<211> 480
<212> DNA
<213> Ctenocephalides felis

<220>
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<220>
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<223>   n = unknown

<220>
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<222>   (297)..(297)
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<223>   n = unknown

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<223>   n = unknown

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<223>   n = unknown

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<223>   n = unknown

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<222>   (394)..(395)
<223>   n = unknown

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<223>   n = unknown

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<222>   (444)..(444)
<223>   n = unknown

<220>
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<222>   (452)..(452)
<223>   n = unknown

<400>   1741
tttttttttt tttttttttt tttttnacgg tttatgaaat ttattcatat tngtttttat        60

acataatatt atataattan ttttacaaat gngttttata aatnttgttg atattaggat       120

aggttgacag taggattctt tagtagaaca tgttttattt aatanctcta cataatatca       180
```

```
acacctttaa aaatacannt tcttttatta ccaggattga aataatactt tatcattcgt      240

atntttataa tagtaaacgt aaacttcaaa ttttgagaga aacatcagct caccttntca      300

tcaatcagaa aaatgatatc agcaaaacaa agnaatctaa gaaaaagtcg ntttgaaact      360

cattaaagtt taaataaggn tttggntttt tcgnnttttc gaaattaata ttaatgtttc      420

tgaaaactaa ngttcncttt gagnccaaat gncctagata ttcgatcatt tttaaaataa      480
```

```
<210>    1742
<211>    386
<212>    DNA
<213>    Ctenocephalides felis

<400>    1742
cctacacaac tcagggcaat ggcagtatgt atatctttaa tgatgggtcg attaggaagt       60

gttgttggaa gcaatgttgt aggaataatt ctagattata attgcgattt aacattttta      120

atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat      180

cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt      240

cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcgattacaa agaaaattca      300

gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt      360

tattagattc gatgtaagat atatgt                                          386
```

```
<210>    1743
<211>    131
<212>    DNA
<213>    Ctenocephalides felis

<400>    1743
cttttgcatg taggatccaa tggatcgcga aatagtccaa ctcttggaca aatgaatggt       60

tgctgccaaa tacgaacgct gctggaattt gtttcaactg gaattagttc ttgagactcc      120

aaagacaatg t                                                          131
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```
<210>    1744
<211>    131
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (34)..(35)
<223>    n = unknown

<400>    1744
cttttgcatg taggatccaa tggatcgcga aatnntccaa ctcttggaca aatgaatggt       60
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```
tgctgccaaa tacgaacgct gctggaattt gtttcaactg gaattagttc ttgagactcc      120

aaagacaatg t                                                            131
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```
<210>  1745
<211>  323
<212>  DNA
<213>  Ctenocephalides felis

<400>  1745
gggaacgaaa agaatcggcc aaatgcatgc aaaaggttgc attaaatata caactagcag       60

cagccagagt ttcaactgat gttggcatta agtaggaga agccctcagg aatgtagtgg       120

aacttcgttt agatttggga aaatgttctt cagacaattt gaataaatgg gaatccagat      180

tggaagaaat taatgatgtt gtggaaaatt gcatcgtgtg aaattgtaac ttgaaataat      240

ttttcttaac tattagtttt atagatgaac aaatacataa tctaataaac cagcaagtga      300

actaaaaaaa aaaaaaaaaa aaa                                               323
```

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<210>  1746
<211>  498
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<222>  (62)..(62)
<223>  n = unknown

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<223>  n = unknown

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<223>  n = unknown

<220>
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<222>  (156)..(156)
<223>  n = unknown

<220>
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<222>  (405)..(405)
<223>  n = unknown

<400>  1746
tttttttttt ttttaatttc ataaagcttc tatttttata tattttaaat aatcagaaat       60
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tncgatagtt aatgacattt cgttngtgct ccttacataa aatacacttt tatacatttt     120

anttttata catatttttt atatttaatt gcacanatca tttgtgtatt tattatatta     180

attgactact ttatgataat ttgaatccta attagtctat tcaagattgt tttcctggtt     240

taagccttac ttagcaatct cacttttgca ttcttcgccg ggtggcgtgg gtatgcatcg     300

caactccgtt ttatcaaagt gcaagccatt tggacaatca taatgtttta tttgccattt     360

gttgttaacc aagaaacatt gataatattt tttacaatct cttcnatcgg aaaaaaccgt     420

tttcactttt gcatgcagtt ctgcacgaga aagattttgg gtcaaaccat tcgttgccgt     480

cgtcttcaca tttcaagt                                                  498
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<210> 1747
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (34)..(34)
<223> n = unknown

<400> 1747
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ggatatctgg cgtcatatgt ggttcccaag tatncaatgt atgggcctaa tactcctaat      60

gcatttgaaa ctatagttcc aatggaaatt cctgtctgcc tcaaacaggt tggatatgtt     120

tccattgctt gcagattcac aacataaaac gtgatgctta tgcaaaattt cattaccacg     180

gctaacagtg ataccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa     240

gatgctgcca gagcaattcc aaaagaagct acagaggtcc aacgtcttcc tattctgtcg     300

ctggagaaac gtcctagtag atatgctggt aattctactg ccgattgata taaaaagttg     360

agaaatggat tacctcccat attgctcacg ttcaaaatta atgtaaaata ccgtcacgga     420

acatacaatc cagcaaagca caataagtgt agtatttcta gctaaacgta aactagaaaa     480

taaactcatg attccgta                                                  498
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<210> 1748
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (28)..(28)
<223> n = unknown

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<220>
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<222>  (150)..(150)
<223>  n = unknown

<400>  1748
cttattccta aagctagtaa tgccgaangt aaggttttct atcttaagat gaagggagat      60

tactacaggt atctagctga agtagcaaca ggagaaaccc gtaacaccgt cgtagatgat     120

tcacagaaag cttatcaaga tgcatttgan atcagcaagg ccaaaatgca gcctacacat     180

cctattagat tgggtcttgc acttaacttt tccgtatttt attatgaaat actaaattca     240

cctgataaag cgtgtcaact tgcgaaacag gcattcgatg atgcgatagc agagctcgat     300

accctaaatg aagattcata taaagattca actctcataa tgcaattgct gcgagataac     360

ttaacactgt gggacatcag acacgcaggg tgatgggaga tgagcctcag gaaggcgggg     420

acaactagtc ctgaaaacct tacctatcca cttccgtatc cttaattcac ccttatacaa     480

tcccttcgtt atttggta ·                                               498


<210>  1749
<211>  215
<212>  DNA
<213>  Ctenocephalides felis

<400>  1749
agactgaccc tgggcccagg cgtttgctta acagtgacgt taaaggcgac caaccaccgt      60

caacgaatga tgaaataagc ccatccacaa ctgctccaag ttcaaacgtg aatgaaagca     120

atggaaacct caccaaatca caacccttaa gccaaaatac ttcaacaaat actccattag     180

aaacatcaaa tacctcacta gcagaaagca gcagt                               215


<210>  1750
<211>  207
<212>  DNA
<213>  Ctenocephalides felis

<400>  1750
agagaggatt caggaaagct cttcttcgtc gcctgatttt ggagccgagt tggttcaacc      60

aattcaccag gatcgtgaat ctaatgaaca tgaagaacaa ttcaacaagc accatcatca     120

caagcaacac aaagctgatt atatgaatca catgagagtc accgacactt cggcaatcat     180

ggctggttct tttgctgtga tagcggt                                        207


<210>  1751
<211>  386
<212>  DNA
<213>  Ctenocephalides felis
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<220>
<221> misc_feature
<222> (27)..(28)
<223> n = unknown

<400> 1751
acatatctta catcgaatct ataacnnta aagagttatt aattttcatg tcgatgtttt   60

agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttctcaaag   120

tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct   180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca   240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat   300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac   360

tgccattgcc ctgagttgtg tagggt   386

<210> 1752
<211> 498
<212> DNA
<213> Ctenocephalides felis

<400> 1752
tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg   60

catgcaaaag tgaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt   120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg   180

ataaaacgga gttgcgatgc atacccacgc cacccggcga gaatgcaaa agtgagattg   240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc   300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa   360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt   420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt   480

acatgtatct ttttaata   498

<210> 1753
<211> 210
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (12)..(12)
<223> n = unknown

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<222>  (26)..(26)
<223>  n = unknown

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<222>  (57)..(57)
<223>  n = unknown

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<222>  (78)..(78)
<223>  n = unknown

<220>
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<222>  (135)..(135)
<223>  n = unknown

<400>  1753
aaggtttcaa angtccgtca ccatcnttat tttatccaaa tataaatgat tgtcagngct       60

attattattg tgacgaanat agtataggaa cccaatatta ttgccccgca aattttgcat      120

atgatccgtt acgtnataat tgcggaccta tggctctggg cacaaaatgc tatacagtta      180

catgtcctgc acagcctaag gtgcttccgt                                       210


<210>  1754
<211>  498
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (29)..(29)
<223>  n = unknown

<400>  1754
tttgtttttc ttttaattga tgcttgctna tagaataatg taaattccgg gcaatctgta       60

gcggaaacca ggaaatataa tccagctaaa acttgacctt tggtatcacg tgccagtaat      120

gaacggaagt tgtatactaa attacgcctt actgtcacat ccactgcagt ataataaggt      180

ttatgcacat atactagaga taccactaga tttgtagttg ttcctccttc tttaatagtt      240

ctgtgttgtc gttcatgcca ttcaacataa tgagaagatt gagtgctata agcatagcaa      300

tattcgcgtt tgcttccacc tggcccttca tcacattgtg taaaccaacc cgtatgtgga      360

tatttttcat cagccattac tgtcactact cttgcgacgt gatatcctgg atcacaaagg      420

actacacctt ttctttcatt tatgcaaatc gaatagcaac catacgtgtt cttttctaa       480

ggcgccgcct ggagccct                                                    498
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```
<210>  1755
<211>  396
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (29)..(29)
<223>  n = unknown

<220>
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<222>  (163)..(163)
<223>  n = unknown

<400>  1755
ttagcccaag tttcacagca ggtttggcng tcactataat agtatgctcc ctttcatttt      60

cccctgaacc aactttgcat gtgtaagagc cagcatcatc ttgttcagtt ttttcaataa     120

tgaattgatg ttcttccttt attaattgat aacggtcctt ganatcattg atttcttcta     180

ctttttttctc atctttaaac cactgatcaa caggaccatc tttcaatgga caggttagaa     240

ccaatggact gcgaatatca aaaagttttt gcgacgtggc ttcaccttct ctggcataaa     300

cactgctttg gaccaaaaat aataaaattg cactacacaa aaactgcttc atatttattg     360

aattttcttc ccctcgattg aaatagttca taaagt                             396


<210>  1756
<211>  232
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (33)..(34)
<223>  n = unknown

<220>
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<222>  (75)..(75)
<223>  n = unknown

<400>  1756
tgtaaacagc actttgcctt tgtaggtttt gtnnaaggct tcgcttaaag ttttgatggc      60

tttggtgagc tctgntttgg ctttgtcggt gtcttcgggg gatttgaaat ttgttgataa     120

gcggaagaag aacaggctag ggcgctcatc aggggttagt tccaaaactt tgtcagataa     180

agcgttgagg acacccaagt ctttcacaaa cttctctggt aaatcacttt gt            232
```

```
<210>  1757
<211>  475
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (61)..(61)
<223>  n = unknown

<220>
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<223>  n = unknown

<400>  1757
ccgtatttgg aaaagtgatg tataaaaaag tgtgtgcttt gatggaaaat aatatttgat        60

naaggattgc aaaaagactg acagatttgt aatacagatt ttggacattt ggacttttaa       120

tattttaaat atatttggaa ccataagttt tgtgctcggg gacgtcactt aatcacgtaa       180

tcgatttttt tgaaaatttt tgaaatcccc tttcccctct gtgaaaccgt atattgaaaa       240

ttaccctcct ccgaaaaaaa tcgtaaaatt ttcaattttt ttttttttt tgaaaatgtt       300

tgcaatcttt attacaaatc tcagtttaat tttgtcaact aatttggacc tacggtaatt       360

ataaagtatc ctatattagc ccactgtacc aattatagta aatttaatta ctaattattc       420

atcatttgng gcaccgtcag cttgtaatta gtaattaaaa tttactataa ttggt           475
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<210>  1758
<211>  500
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<222>  (23)..(23)
<223>  n = unknown

<220>
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<222>  (32)..(32)
<223>  n = unknown

<220>
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<222>  (60)..(60)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (267)..(267)
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<223>   n = unknown

<400>   1758
tttttttttt tttcttgtaa ctntatattt tntattgcta tgtatataca caatatgatn   60

aaattttaac agttaaattg aatttattag attatataaa actgaaaatt atcatggaat   120

gtaatttaaa atcatacaga aaaaaacaaa tataataata aaatttgata atatttcaac   180

aacttgtagc tagtacggca gaatactgtt tcacaacaac atactttcat tttaacaata   240

gaatcattat tttataagta tctacanttt cttttaaacat taaaacatgt cttcatgttt   300

tccttacatt aaggatgtgg ttagtaccag acatcccaaa aactgattta atattcttta   360

catggagaag acaacatata aagggaaata aaatatggta ttgatggaaa ctttagtaag   420

atttttaatg acgagaatca cgtgggtaaa actcggcgag ggtggaagcg ggtattctct   480

tcaacatctc ctggggaaga ·   500

<210>   1759
<211>   498
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (49)..(49)
<223>   n = unknown

<400>   1759
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tcgaacaata tcttcaaatt gaagaatttt atcaaatata tactgtaaaa gaaatgtgta   120

aagggttcat ttgcaatgca ctactatgaa agtaggcata catagagtga tgaaagctag   180

ctgatacgga ttattcaact ctcacgattt cagaaatcaa ccatggcatg cgtttcggtt   240

tccaatttag tgacatcaca tgaatgcaaa tcacatatag aagacggacg tatagacata   300

atttgttgca aaatttaaac catctggaaa ggttttaatc atgaaaatat gcaattatta   360

ttaaagtatt ataaatgcag atatcctgtt tccagttgtg aacagttccg actttaaatg   420

gtggtgacaa atgatttaag ttaaacataa gcaagttcct caaactcaga gtcattatgc   480

tcttataatt aattccat   498

<210>   1760
<211>   295
<212>   DNA
<213>   Ctenocephalides felis

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<220>
<221>  misc_feature
<222>  (35)..(35)
<223>  n = unknown

<220>
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<222>  (147)..(147)
<223>  n = unknown

<400>  1760
cttcaattca taaagaaaaa aaaacaaatt atcangttct gaaataaaaa gaaaactttt      60

caccaaacgt catacagaca ctatatttgc taactgttgg atctgtaata aaatttatct     120

tttaatatta aattcatttt atacggngta tatgtaactg caatcctatt atatttgaag     180

aaacacatat gtaagaaatg caataccgat gaaaaaattc gatatcggta tttcgctttt     240

ataagcggta atattattat tttatgaggt gtaaacaaaa ttaaaattga cttgt          295


<210>  1761
<211>  498
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<222>  (29)..(29)
<223>  n = unknown

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<223>  n = unknown

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<223>  n = unknown

<220>
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<222>  (490)..(490)
<223>  n = unknown

<400>  1761
tttgtttttc ttttaattga tgcttgctna tagaataatg taaattccgg gcaatctgta      60

gcggaaacca ggaaatataa tccagctaaa acttgacctt tggtatcacg tgccagtaat     120

gaacggaagt tgtatactaa attacgcctt actgtcacat ccactgcagt ataataaggt     180

ttatgcacat atactagaga taccactaga tttgtagttg ttcctccttc tttaatagtt     240

ctgtgttgtc gttcatgcca ttcaacataa tgagaagatt gagtgctata agcatagcaa     300
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```
tattcgcgtt tgcttccacc tggcccttca tcacattgtg taaaccaacc cgtatgtgga    360

tatttttcat caagccatta ctgtcactac tcttgcgacg tgatatcctg natcacaaag    420

gactacacct tttcttcatt tatgcaaatc gaatagcaac cataacgtgt tctttttcta    480

angcgcccgn ctgggagc                                                   498
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<210>   1762
<211>   409
<212>   DNA
<213>   Ctenocephalides felis


<220>
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<222>   (14)..(14)
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<223>   n = unknown

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<222>   (72)..(72)
<223>   n = unknown

<220>
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<223>   n = unknown

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<222>   (117)..(117)
<223>   n = unknown

<220>
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<222>   (150)..(150)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (293)..(293)
<223>   n = unknown

<220>
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<222>   (295)..(295)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (335)..(335)
<223>   n = unknown
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<220>
<221>  misc_feature
<222>  (351)..(351)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (409)..(409)
<223>  n = unknown

<400>  1762
gcaatttatg acantattat acaatggtna catccgaaag tataatgaat gtattaagat      60

ataaattaaa gngcgttttt actatttta ttttttatgt naaaatattt aataaantat     120

taagtatttt tataaagatt attgcatgtn tggattcatg agcaataagt tctaatatag     180

ttcttaacca tacagtcact acatagccta aatcgtcctt ttgacaaaat aatactttca     240

caaacacttt tcacaaaatt cttacgagtc agttttattc gaagtgtcgc tgntnttacg     300

aataatatct acattgctcg cctttttttc ttggngccta gtataagcca natcacttgt     360

tggaattgaa tttttagtga taacaatacg aggttttttct gtcattggn               409
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<210>  1763
<211>  498
<212>  DNA
<213>  Ctenocephalides felis

<220>
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<222>  (93)..(93)
<223>  n = unknown

<220>
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<222>  (262)..(263)
<223>  n = unknown

<220>
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<222>  (425)..(425)
<223>  n = unknown

<220>
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<222>  (457)..(457)
<223>  n = unknown

<220>
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<222>  (460)..(460)
<223>  n = unknown

<220>
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<222>   (479)..(479)
<223>   n = unknown

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<223>   n = unknown

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<221>   misc_feature
<222>   (494)..(495)
<223>   n = unknown

<400>   1763
ttggaattct tgacgaaatt tgagaagaac tttatctcac agggtaatta tgagaaccgc      60

acagtatttg aatctttgga cattggctgg canttgttgt gtaccttccc caaggagatg     120

ttgaagagaa tacccgcttc caccctcgcc gagtttttgcc cacgtgattc tcgtcattaa    180

aaatcttact aaagtttcca tcaataccat attttatttc cctttatatg atgtcttctc     240

catgtaaaga atattaaatc annttttggg atgtctggta ctaaccacat ccttaatgta     300

aggaaaacat gaagacatgt tttaatgttt aaagaaattg tagatcttat aaaataatga     360

ttctattgtt aaaatgaaag tatgttgttg tgaaacaagt attctgccgt actagctaca     420

agttngtgaa atattatcaa attttattat tatattngcn cttctggatg aatttaaant    480

acattncatg atannttt                                                   498


<210>   1764
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<212>   DNA
<213>   Ctenocephalides felis

<400>   1764
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aggattcctt aaccggatct gctcctattt ccggacaata ctgcatttcg ggtgaactgc     120

acgaattcac gcaactaaat tttacttttt tacatttttg ctcgggtttc ggt            173


<210>   1765
<211>   231
<212>   DNA
<213>   Ctenocephalides felis


<220>
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<400>   1765
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tttggtgagt tcagttttgg ctttgtcggt ttcttcgggg gatttgaaat ttgttgctaa     120

gcggaagaag aataagctag gacgttcatc aggggttagt tctaagactt tgtcagataa     180

agcgttgagg acaccaggtc tttcacaaac ttctctggta aatcactttg t             231
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<210>   1766
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catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt     120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ctgcactttg     180

ataaaacgga gttgcgatgc atacccacgc cacccggcga gaatgcaaa agtgagattg     240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc     300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa     360

tatgtataaa aattaaaatg tataaaattg nntttatgt aaggagcaca aacaaaatgt     420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt     480

acatgttctt tttnataa                                                    498
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<210>   1767
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<212>   DNA
<213>   Ctenocephalides felis


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<223> n = unknown

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<400> 1767
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aatctaaaaa cantttaaat tagcaaaacc aagtgtattt gaatttcatt tttgcacaag   120

ttaccttttt gtattaaaat atatgtatat ttatgaatat gtntttcttg tnttttaggt   180

taaattcgtt atagaataat ttggaaatac atattcataa tgctaaagta ttaaattggc   240

ttttttccat taaaatccta tttaacatta tacatatatt ttattgtcaa atgtgaggcg   300

gtatggaatc acgggtggct gctttctgag tagtcgaacc ttttaggcaa aaattgtgta   360

natcaaactc anttctacaa tcttgagctc atccacattc tcagaacatc catgtattta   420

aggtaactta ttgnatttaa cagctttga ggaaatctgn aaatatgttt aagataaatc   480

aagtaaaaat ggcgaata   498

<210> 1768
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
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<400> 1768

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ggatatgaca caataccagc aacagttgtg acggcttgtg caatggccca gctgataact   120

aatggggtgt tcttggggtc tggcaacatt ccacgagcgg tgtcatagaa tccaaagtat   180

gctgcacggt agatgatgat accttgaaca gatactccaa aaccacggta caatccaggg   240

agaccatcag acttgaagat tttggtcaag cagttgccca atccagagaa ttcacgttga   300

ccagcgcctt tacctacatc agcggccaat ctggtacggg cgaaatcaag tgggtagacg   360

aagcacaatg atgtggctcc agcagcacca ccagatgcca gtttcctgc gaagtaacgc   420

cagaattggg tcttcttgtc aactccaccc aagaaaactt gcttgtcttg tctttgaatg   480

cgaagntcaa agcctgan                                                 498
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<210> 1769
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<212> DNA
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<400> 1769

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aaaggttgca ttaaatatac aactagcagc agccagagtt tcaactgatg ttggcattaa   120

agtaggagaa gccctcagga atgtagtgga acttcgttta gatttgggaa aatgttcttc   180

agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg   240

catcgtgtga aattgtaact tgaaatantt tttcttaact attagtttta tagatgaaca   300

aatacataat ctaataaacc agcaagtgaa ctaaaaaaaa aaaaaaaaa aa             352
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gcggaaacca  ggaaatataa  tccagctaaa  acttgacctt  tggtatcacg  tgccagtaat     120

gaacggaagt  tgtatactaa  attacgcctt  actgtcacat  ccactgcagt  ataataaggt     180

ttatgcacat  atactagaga  taccactaga  tttgtagttg  ttcctccttc  tttaatagtt     240

ctgtgttgtc  gttcatgcca  ttcaacataa  tgagaagatt  gagtgctata  agcatagcaa     300

tattcgcgtt  tgcttccacc  tggcccttca  tcacattgtg  taaaccaacc  cgtatgtgga     360

tatttttcat  caagccatta  ctgtcactac  tcttgcgacg  tgatatcctg  c              411


<210>  1771
<211>  498
<212>  DNA
<213>  Ctenocephalides felis


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atgtaactaa  atttggttca  attaacagcc  ttttaatagc  acttacatat  ttcactacta     120

taataattag  aaatgtgtta  aaataaaatt  caagctctaa  ttactttgtc  gatacaagct     180

ctattttcat  tccatgtcat  aataagatca  tgtcttcatt  ttgaatgtca  aatgtacata     240

tcattttctc  agctaataat  tatacattat  gattatgaaa  taatggttaa  attagattat     300
```

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```
agttgacttc ctacatgtag aaattagaca cagtagaaat aaaacatgga tatatctttg    360

gagaatctta aactctaagc aattataaat taggaaacgt taaataattg caacaattta    420

catatcctat atattatcat gnaaaacgca aatatattag cacacataaa atagngaaat    480

aaataatcgn gcaaatat                                                  498
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tagttaatga cnttttgttt gtgctcctta cataaaatac antttttatac attttaattt    180

ttatacatat tttttatatt taattgcaca natcatttgg gtatttatta tattaattga     240

ctactttatg ataatttgaa tcctaattag tctattcaag attgttttcc tggtttaagc     300

cttacttagc aatctcactt ttgcattctt cgccgggtgg cgtgggtatg catcgcaact     360

ccgttttatc aaagtgcaag ccatttggac aatcataatg ntttatttgc catttggtgn     420

tnaccaanaa acattgntaa tattttttac aatctcttcg atngggaaaa acgttttcct     480

tttgcatgcc gtttntgcac                                                  500


<210> 1773
<211> 469
<212> DNA
<213> Ctenocephalides felis


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aactttgtct tttaccaaaa gtccttacat caactcggta tactcataat ttaatanttt      60
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ttaattgatg tcgaccctac gttgtcgcaa tgtttactaa cttttcaaatt cttgtaactt     120

ttaaactgtt tgtttaattt aaatgaaata tttggcaaat ttgttcaaaa ttaaatagtc     180

tataactttt tctaacatcc taagtccata gagcaactcg gtatactgaa aaattaatan     240

ttttaaattg atgtcgacac tacgttgtcg caatgtttac taactttaaa attcttgtaa     300

cttttgaatg gtttgtttaa tttgaatgaa atatttggca aatttgtttg aaattaaata     360

atttacaact ttgtctaaca tcttaagtcc atagagcaac tcggtatact cataaattaa     420

taatttctga ttgatttcct gaaagattta ctttgtaatt ggtgaaagt               469
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<210>   1774
<211>   251
<212>   DNA
<213>   Ctenocephalides felis

<400>   1774
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aaaagttacc ggaaacgcta actgaagctc acgtattcgg cagggatcag gtgttctgga     120

gcttaccgaa aaaaggtgta tcaaagtcta cagatacggc cgtcaagaaa ttatcacaag     180

aagactgtta aatagttata atttgtattg ttatacatat gcttcttata aataaaatt      240

atatttattg t                                                         251
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<210>   1775
<211>   410
<212>   DNA
<213>   Ctenocephalides felis

<400>   1775
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caatagcttt cgaagatttt ctcaatgttg ctttaagttg ttctatttaa aaaaaaatca     120

ttgttaacaa taaagattta aaaattttca taagtattaa ataaatttca cacacaactt     180

tgtgtattaa aagggttttt attatcaatt agttaataaa ataactacta aaattgtaaa     240

tgaaattttt attgtatata taaaattgaa atacctacat tttgtatgca gatgttataa     300

ctgattgtaa gtgaaccaat tattgtaagg aatatgggac gccatatttt cactcatttt     360

tttacacttt aactataatg taacagaaat tatagtgtta ttccatttgt                410
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<210>   1776
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<212>   DNA
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gttgttggaa gcaatgttgt aggaataatt ctagattata attgcgattt aacattttta   120

atatcaggag catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat   180

cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt   240

cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcaattacaa agaaaattca   300

gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgn   360

tattagattc gatgtaagat atatgt   386

<210> 1777
<211> 285
<212> DNA
<213> Ctenocephalides felis

<400> 1777
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ggcttaaggg ttgtgattcg gtgaggtttc cattgctttc attcacgttt gaacttggag   120

cagttgtgga tgggcttatt tcatcattcg ttgactgtgg ttggtcgtct ttaacgtcac   180

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attattatct tactaagcaa acgcctgggc ccagggtcag tctgt   285

<210> 1778
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<212> DNA
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tttaatatta aatagattaa ttaaaaatct ataaagtgat aagaggcctg atatccataa   180

tattattgaa tattaagaag tgacggatan atctgataat gtagtanttg ttatagacaa   240

tttacttaat aattatgagt tgcatcatta tgcaatgatt tatcactatt atttattcaa   300

cattttattt aactgcttgc aacttttaat aaaacgcatt ttttattgnt ttaagtataa   360

atcttattag ggcacaatat gaaaataaaa ataagaactt tatcaaaagc ttttttttata   420

caatatgctt cttgcgctat taagttaaga aattttattt atgcttgtaa aaaaacaata   480

aatgcttatt tattaaaa   498

<210> 1779
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gggnttgtgg tccatatttt aatttgctac ttaacatatt ctatgattat ggatttattc     120

aaaattaatt tatccaaaca gcttataaan ttgtatttat cttttatcca ttcaacaata     180

aaatgttaac aaaaaaatac acatagaaat cttttcagac atggccattt aaacattttt     240

tcattaaggt tatcaaaaat atatcaggca tggccattta tacntttttt tattagagtc     300

atcaaaaaaa tagtatannt tctatgttat tattcaaaat ctatacatta ataaggatgt     360

tagaagtttg ttcggttaat tttcaggcag aggntgctat tgnngtaata gaacaatttt     420

aatcatctaa aatttgatta atctattacc cttaatcatt caataggaaa cttncttttg     480

gaatttcgaa tgggtg                                                     496
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<210>  1780
<211>  418
<212>  DNA
<213>  Ctenocephalides felis
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aattttaaga gtttagcata nttttagatt attgatcgta aacacttaaa gatcttgtct    120

gttgtcaaaa ttttcctagg ggttgacgcc ttatttttgt gcaaattgtt gtaaggcgta    180

agttccatgg attatattat ggcttaagat atcacgtcga cctcattcca cttaatagat    240

tcatcatttt tcatgttgga gttcgatgca tattttact ataatacatt aaaaactgaa     300

aatttgtctt ttattttgta gagtgaaatg ctgagtattt gtagattatt tgtaatgtaa    360

atttactaag taataaattg ttaataatta ttggtagaat gacctaccna aaaaaaaa      418


<210>  1781
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<212>  DNA
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gtngttggaa gcaatgttgt aggaataatt ctagattata attgcgattt aacattttta    120

atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat    180

cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt    240

cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcaattacaa agaaaattca    300

gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgn    360

tattagattc gatggaagat atatgt                                         386


<210>  1782
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<212>   DNA
<213>   Ctenocephalides felis

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attgcacaga tcatttgtgt atttattata ttaattgact actttatgat aatttgaatc   180

ctaattagtc tattcaagat tgttttcctg gtttaagcct tacttagcaa tctcactttt   240

gcattcttcg ccgggtggcg tgggtatgca tcgcaactcc gttttatcaa agtgcaagcc   300

atttggacaa tcataatgtt ttatttgcca tttgntgnta accaagaaac attgataata   360

tttttttacaa tctcttcgat cggaaaaaac gtttcacttt tgcatgcagt tctgcacgag   420

aaagaatttg ggtcaaac   438

<210>   1783
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<400>  1783
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ttaattttta tacatatttt ttatatttaa ttgcacanat catttgngta tttattatat       120

taattgacta ctttatgata atttgaatcc taattagnct attcaagatt gttttcctgg       180

tttaagcctt acttagcaat ctcacttttg cattcttcgc cgggtggcgn gggtatgcat       240

cgcaactccg ttttatnaaa gtgcaagcca tttggacaat cataatgntt tatttgccat       300

ttgttgttaa ccaagaaaca ttgataatat tttttacaat ctctttnatc ggnaaaaacg       360

ttttcacttt gcatgcagtt ctgcaccgan aaagattttg gggaaaacca ttcg            414


<210>  1784
<211>  187
<212>  DNA
<213>  Ctenocephalides felis

<400>  1784
tttgcagact gtactttctt tagtggtgtt ctgtagatat ccactttgat cagcgcacac        60

ttgatctggg ctacaggatt ccttaaccgg atctgctcct atttccggac aatactgcat       120

ttcgggtgaa ctgcacgaat tcacgcaact aaattttact tttttacatt tttgctcggg       180

tttcggt                                                                 187
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<210>  1785
<211>  500
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<222>  (60)..(62)
<223>  n = unknown

<220>
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<222>  (82)..(82)
<223>  n = unknown

<220>
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<222>  (456)..(456)
<223>  n = unknown

<400>  1785
tttttttttt tttttttttt ttaagctttc tttcatttgt attttattca aataaatatn    60

nntaaaaatc ataattcgac anttttactt gtatttatct taaacatatt tacagtattt   120

cctcaaaaac tgttaaatac aataagttaa cttaaataca tggatgttct gagaatgtgg   180

atgagctcaa gattgtagaa ctgagtttga tctacacaat ttttgcctaa aaggttcgac   240

tactcagaaa gcagccaccc gtgattccat accgcctcac atttgacaat aaaatatatg   300

tataatgtta aataggattt taatggaaaa aagccaattt aatactttag cattatgaat   360

atgtatttcc aaattattct ataacgaatt taacctaaaa tcaagaaata catattcata   420

aatatacata tattttaata caaaaaggta acttgngcaa aaatgaaatt caaatccctt   480

ggttttggtt aattaaattg                                              500


<210>  1786
<211>  275
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<222>  (68)..(68)
<223>  n = unknown

<220>
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<222>  (70)..(70)
<223>  n = unknown
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<220>
<221>  misc_feature
<222>  (113)..(113)
<223>  n = unknown

<400>  1786
agggttttt  gcattctgaa  tgattttatt  cttttatgtt  taaaatacaa  aatataatac     60

aatttatngn  tgtagcttat  tgtatttcta  atgaagtctt  aactatgcca  tantttttaa    120

agtgtattat  gtagtcctaa  ttgtaattta  atataaatat  aaactttatt  tagcagtaaa    180

tttaattaag  aaagtgcata  ccaactttca  taatgaattt  aatttttttt  ttttactgaa    240

atatactcta  ctctaaatta  ataattgtgg  tatgt                                275


<210>  1787
<211>  444
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (61)..(61)
<223>  n = unknown

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<222>  (64)..(64)
<223>  n = unknown

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<222>  (374)..(374)
<223>  n = unknown

<220>
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<222>  (382)..(382)
<223>  n = unknown

<400>  1787
tttttttttt  tttttttttt  ttgatttcat  aatttttcta  tatttatata  ttttaaataa     60

nggngaaatt  actatagtta  atgacatttt  gtttgtgctc  cttacataaa  atacaatttt    120

atacatttta  atttttatac  atatttttta  tatttaattg  cacagatcat  ttgtgtattt    180

attatattaa  ttgactactt  tatgataatt  tgaatcctaa  ttagtctatt  caagattgtt    240

ttcctggttt  aagccttact  tagcaatctc  acttttgcat  tcttcgccgg  gtggcgtggg    300

tatgcatcgc  aactccgttt  tatcaaagtg  caagccattt  ggacaatcat  aatgttttat    360

ttgccatttg  ttgntaacca  anaaacattg  ataatatttt  ttacaatctc  ttccatcgga    420

aaaaaccgtt  ttcacttttg  catg                                             444
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<210>   1788
<211>   498
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (28)..(28)
<223>   n = unknown

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<222>   (486)..(486)
<223>   n = unknown

<400>   1788
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gcgagcgtcc agcttgtgaa caaactcatc attccaaaaa catgttcagg ttcagacgaa     120

taatctttta gcatttctaa tgcatcatca ttcaatgttg caccattaac tttggcaatt     180

gtgcgtaaag ttttttttcac atttcttcat ttttcctctg cttgctagcc atcttggtga    240

ttcaatcata tatttgttat taattaaaaa tattgcaaat ggcaatgaag aaactagaac     300

aaaatcaaac caatttctca accaccacat caaaagaggc attgtgcaaa ttccaaacgt     360

ccacccaatt ccttgtaaca tagcgacgtg tgagttttca tcacttgtcg atatttccat     420

tcctatgaca agaacagtct ggtatagaga catctgcggg agtgcagtca ccacatattc     480

aaatcntacc aataatat                                                   498


<210>   1789
<211>   476
<212>   DNA
<213>   Ctenocephalides felis

<400>   1789
tgaaatgtga agacgacgtc aacgaattgt ttgacccaaa atctttctcg tgcagagctg      60

catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt     120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg     180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg     240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc     300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa     360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt     420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatga         476
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<210>   1790
<211>   428
<212>   DNA
<213>   Ctenocephalides felis


<220>
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<222>   (340)..(340)
<223>   n = unknown

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<222>   (387)..(387)
<223>   n = unknown

<220>
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<222>   (392)..(392)
<223>   n = unknown

<220>
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<222>   (415)..(415)
<223>   n = unknown

<400>   1790
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actagagagg tgtcatttcc accagtggga tcgagaaata atcgcacaat tagctgtgtt     120

cgtgccctgg accaatatgt aaatggccaa ggaggctatg ccactcttgt caatggtgga     180

gttggctgga aaaatgtaac tttactccta tcttctcaga ctggcaaagg atttaacttc     240

ttagttgaaa tttggggata ttagattaga aatataatga aaatgtgaat atagaaaaaa     300

aattaaatat acaatagtat tttaaatttg gccacatttn tctatgcatc attaaataag     360

ggttttttac agcattcatt tataatnggt tnaagaatta taatgatttt atgangttta     420

aaaaaaaa          .                                                    428


<210>   1791
<211>   492
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (27)..(27)
<223>   n = unknown

<220>
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<222>   (205)..(205)
<223>   n = unknown

<220>
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<222>   (477)..(477)
<223>   n = unknown

<400>   1791
ggttccttta agacagagtt tggcttntat tcattgaaca gttcagaaat gcacagactt      60

gtattgaata tgaaaaccag cgataaactt ggaaaaaaat attttgaata caaagttaaa     120

cgtgctgatc ctgaattaaa aaaaggctgt gataaaacct gtcttaaaaa tcatatgtgt     180

gcaatagtta ccacagttgt atcanatctc atccagtgca aaaatatcat caaatcatca     240

tcaagcattc ttcagcattt gaatatatat gtcctaggag ctattgtaat ttccaattat     300

ttattattat aaagtcattt ttgttaagtt attataaatt tagaataaat cattatgttg     360

gaaatatgta aacgctttga aaaagctagg atcaaatcaa atattttttg aaaaatcgaa     420

aaaaaacaat ttagtaaaaa aaacttattt gtaaagtgaa ataaagatat ctatatnttt     480

taaaaaaaaa aa                                                         492


<210>   1792
<211>   498
<212>   DNA
<213>   Ctenocephalides felis


<220>
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<222>   (28)..(28)
<223>   n = unknown

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<222>   (56)..(57)
<223>   n = unknown

<400>   1792
tgaaatgtga agacgacgtc aacgaatngt ttgacccaaa atctttctcg tgcagnnctg      60

catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt     120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg     180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg     240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc     300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa     360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt     420
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cattaactat agtaatttct gattatttaa aatatataaa tatagaaagc tttatgaaat      480

tcatgtatct ttttaata                                                    498
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<210>   1793
<211>   422
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (22)..(22)
<223>   n = unknown

<220>
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<222>   (57)..(57)
<223>   n = unknown

<220>
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<222>   (77)..(77)
<223>   n = unknown

<220>
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<222>   (82)..(82)
<223>   n = unknown

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<222>   (84)..(84)
<223>   n = unknown

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<222>   (93)..(93)
<223>   n = unknown

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<222>   (112)..(112)
<223>   n = unknown

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<223>   n = unknown

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<222>   (140)..(140)
<223>   n = unknown

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<222>   (158)..(158)
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<223> n = unknown

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<222> (380)..(380)
<223> n = unknown

<400> 1793
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tgctccttac ataaaanaca antntataca ttntaatttt tatacatatt tntnatattt   120

aattgcacag atcattccgn gtatttatta tattaatnga ctactttatg ataatttgaa   180

tcctaattag tctattcaag attgttttcc tggtttaagc cttacttagc aatctcactt   240

ttgcattctt cgccgggtgg cgtgggtatg catcgcaact ccgtttatc aaagtgcaag   300

ccatttggac aatcataatg ttttatttgc catttgttgt taaccaagaa acattgataa   360

tattttttac aatctcttcn atcggaaaaa acgttttcac ttttgcatgc aattctgcac   420

ga   422

<210> 1794
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (26)..(26)
<223> n = unknown

<220>
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<222> (407)..(407)
<223> n = unknown

<220>
<221> misc_feature
<222> (415)..(415)
<223> n = unknown

<400> 1794
cacggaggat attggagaaa gctccnttga agaaggcacc acttccttct gtcttggcaa   60

tggtggccca gcagtgcagt gttcccttgt acaacatttc agactttgca cgtccagact   120

gcatcatcat acgcctacgg acagtgtcga atggatatga cacaatacca gcaacagttg   180

tgacggcttg tgcaatggcc cagctgataa ctaatggggt gttcttgggg tctggcaaca   240

ttccacgagc ggtgtcatag aatccaaagt atgctgcacg gtagatgatg ataccttgaa   300

cagatactcc aaaaccacgg tacaatccag ggagaccatc agacttgaag attttggtca   360

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agcagttgcc caatccagag aattcacgtt gaccagcgcc ttttctnaca taagnggcca      420

atctggtacg gcaaaatcaa gtgggtagac gaagcacaat gatgtggctt cagcagcacc      480

accagatgcc aagtttcc                                                    498
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<210>  1795
<211>  463
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (58)..(58)
<223>  n = unknown

<220>
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<222>  (370)..(370)
<223>  n = unknown

<220>
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<222>  (424)..(424)
<223>  n = unknown

<220>
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<222>  (426)..(426)
<223>  n = unknown

<220>
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<222>  (428)..(428)
<223>  n = unknown

<220>
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<222>  (432)..(432)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (435)..(435)
<223>  n = unknown

<400>  1795
agtatctcac accgcctctt atttgcgttt gtgggccctg tcacttgctc acgcacanct       60

ttcagacgta ttgtggaaaa tggtgttgtc catgggattg agccaaacaa catatactgg      120

ctcgattatg ctctatgtga tattctgcgt gtgggcacta ttcacaattg ccatcctagt      180

catgatggaa ggcctttctg cgttcttgca cacactgcgt cttcactggg tggagttcat      240

gagtaagttc tactctggtt tgggttattt gttccaaccc ttctgcttca aaactatttt      300
```

```
ggacgcggag gataaggaag cagaataatc aatttatcta ttatttaaat aaattaaaaa      360

aacaaattan ttataaagaa gttataaaaa agtaaattat tggtaaaaat tgattttcaa      420

aggncngnaa gntgnttttg gaataagcac ttaattttgt agt                        463
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<210>   1796
<211>   307
<212>   DNA
<213>   Ctenocephalides felis

<400>   1796
agcagtcacc ttctttcgat tgtgctttgt tgcatagtca aaagcgaatt tggcaatcct       60

ttcagatttc ttagctgtta taatttttaa acattctaca actcctgtaa cgctttcgtg      120

ctccaaagca ctatactctc cctcagtttg ttcacgaatg attacacagt caatattctt      180

atgcctagag cgaactcctg gcaaactttt aacatgaaca acattggcat ataaatctag      240

agtatttctt agcttcatgt tgagcgtttg tagctcaccg gtgtgagagt agtcaggtgt      300

cgccagt                                                               307
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<210>   1797
<211>   474
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (49)..(49)
<223>   n = unknown

<220>
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<222>   (51)..(51)
<223>   n = unknown

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<222>   (101)..(101)
<223>   n = unknown

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<222>   (170)..(170)
<223>   n = unknown

<220>
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<222>   (297)..(297)
<223>   n = unknown

<220>
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<222> (379)..(379)
<223> n = unknown

<220>
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<222> (458)..(458)
<223> n = unknown

<400> 1797
tttttttttt tttttttttt ttttttttaa tttcataaag cttctatang natatatttt   60

aaataatcag aaattactat agttaatgac attttgtttg ngctccttac ataaaataca   120

attttataca ttttaatttt tatacatatt ttttatattt aattgcacan atcatttgtg   180

tatttattat attaattgac tactttatga taatttgaat cctaattagt ctattcaaga   240

ttgttttcct ggtttaagcc ttacttagca atctcacttt tgcattcttc gccgggnggc   300

gtgggtatgc attgcaactc cgttttatca aagtgcaagc catttggaca atcataatgt   360

tttatttgcc atttgttgnt aaccaagaaa cattgataat attttttaca atctcttcga   420

tcggaaaaaa cgttttactt ttgcatgcag ttctgcanga aaaaaaattt tggg   474

<210> 1798
<211> 149
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (33)..(33)
<223> n = unknown

<220>
<221> misc_feature
<222> (63)..(63)
<223> n = unknown

<400> 1798
gcgctaaagg ggaattcact taaatctttta agntagtgtt tgcaaactat cgatactatc   60

ganggtttca gactttttc tttcataaat acttttttgt gatatgaaca tacttcgcaa   120

aaattaaatt tgacaaaaaa aatttaagt   149

<210> 1799
<211> 386
<212> DNA
<213> Ctenocephalides felis

<400> 1799
atatatctta catcgaatct aataacatta aagagttatt aattttcatg tcgatgtttt   60

agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa tcgataatac tttctcaaag   120

```
tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct    180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca    240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat    300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac    360

tgccattgcc ctgagttgtg tagggt                                         386
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<210>   1800
<211>   459
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (29)..(29)
<223>   n = unknown

<220>
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<223>   n = unknown

<400>   1800
gtttgaccca aaatctttct cgtgcaganc tgcatgcaaa agtgaaaacg ttttttccga    60

tcgaagagat tgtaaaaaat attatcaatg tttcttggtt aacaacaaat ggcaaataaa    120

acattatgat tgtccaaatg gcttgcactt tgataaaacg gagttgcgat gcatacccac    180

gccacccggc gaagaatgca aaagtgagat tgctaagtaa ggcttaaacc aggaaaacaa    240

tcttgaatag actaattagg attcaaatta tcataaagta gtcaattaat ataataaata    300

cacaaatgat ctgtgcaatt aaatataaaa aatatgtata aaaattaaaa tgtataaaat    360

tgnttttatg taaggagcac aaacaaaatg tcattaacta tagtaatttc tgattatttt    420

aaatatataa atatagaagc tttatgaaat ttaaaaaaa                           459
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<210>   1801
<211>   498
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (59)..(59)
<223>   n = unknown

<400>   1801
aatttcacat cgaataatat tattattctt acattctacc attccttgga atagttacnc    60
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attcattttt agaaaaaaat ataaatacaa ttccatttat catttgcaaa ttttcaattt    120

taaaaaaata ttgattcgat acattttgtg atgtttaccc gtattagccg aagggaatat    180

ttcgttggtt tctgttgcgg taaaagaaaa atttgtagat tatttaattt tctataaatt    240

tgccgaatat ttcattacaa tcaaataaac cgttcaaaag ttataaataa atgcactttt    300

cctaaactca agaacaaaac agtgaagcgc tgtgaatatt tatcaacttt tcaacaaact    360

tttttgagta taccgagttg ctgtagggtc ttcctatgtt aggaaaatgt tttagactat    420

tcaattttct atattttctc caaacatatt tttagttttc cgcaaatagg ttttaagtta    480

tcagaaatgt aacgaata                                                   498
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<210>    1802
<211>    221
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (28)..(28)
<223>    n = unknown

<220>
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<222>    (31)..(31)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (59)..(59)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (202)..(202)
<223>    n = unknown

<400>    1802
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agctagttta catattttaa atattttta tgtgaatgtt ataataatga gaccgtgttg    120

catgattatt ttctgaatac taaccattct ccgatgtaga acgttactgt gataacttct    180

gttagcggtt acctgatgta tntgggttgc acttgagaag t                        221
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<210>    1803
<211>    167
<212>    DNA
<213>    Ctenocephalides felis
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<220>
<221>  misc_feature
<222>  (29)..(29)
<223>  n = unknown

<400>  1803
ctgcatacca gtcagactgt ttaggtgcnt gtgtcacttc ttccccatcc ataccatgct      60

taccatcctt accatctttc ccaaccttgc caacatcttc cccaacagca ggatttcctt     120

ttggccgaaa atctcttgat atgcaaacaa aaactggaac taaatgt                   167


<210>  1804
<211>  498
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (177)..(177)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (402)..(402)
<223>  n = unknown

<220>
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<222>  (469)..(469)
<223>  n = unknown

<400>  1804
catatgtaga aataccaatc aataagcaga ttttatcaaa aatatcaaat gttaaattga      60

acttttcttt gaaaaatatc gatgaactaa ctattgattt gccacaaatc atatcgcaaa     120

catttggaaa tgtgcagaaa actgcaaatc ttataccaga aaaagacgaa acaacanttt     180

cagataaaca acaaaatttt gctaatgaag atttgtatga tccagagaag tttgaccaaa     240

tgccaggtcc ttggcccgtt gacctaccat tgcctatgcc ttgttgggga agagaaactg     300

atgcaaagtt agatttttca tcagtaatag aatatgaggc atttgccagc agagtagaaa     360

tgacggaaca gagattattg gaagagacca actatgatct gnagataact ttttacaatt     420

caaccaggga atatagaaaa atgaaggatg cttccggaca aaatatganc tgggataaat     480

ctttccggct ttttcacc                                                  498


<210>  1805
<211>  432
<212>  DNA
<213>  Ctenocephalides felis
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<220>
<221>  misc_feature
<222>  (60)..(60)
<223>  n = unknown

<220>
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<222>  (170)..(170)
<223>  n = unknown

<220>
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<222>  (177)..(177)
<223>  n = unknown

<220>
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<222>  (179)..(179)
<223>  n = unknown

<220>
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<222>  (268)..(268)
<223>  n = unknown

<400>  1805
tttttttttt tttttttttt tttttttttt tttcataaag cttctatatt tatatatggn      60

aaataatcag aaattactat agttaatgac attttgtttg tgctccttac ataaaataca     120

attttataca ttttaatttt tatacatatt ttttatattt aattgcacan atcattngng     180

tatttattat attaattgac tactttatga taatttgaat cctaattagt ctattcaaga     240

ttgttttcct ggtttaagcc ttacttanca atctcacttt tgcattcttc gccgggtggc     300

gtgggtatgc atcgcaactc cgttttatca aagtgcaagc catttggaca atcataatgt     360

tttatttgcc atttgttgtt aaccaagaaa cattgataat attttttaca atctctttcg     420

atcggaaaaa ac                                                         432


<210>  1806
<211>  414
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (65)..(65)
<223>  n = unknown

<400>  1806
cacacaatta gcaataggaa aatctagcca caaatttttt taacaattta tttaatactt      60
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atgtnctaga aatacaaagt gtaaagttca aggtttgtat agcttaataa agtaaacatt      120

ttaaaatgta atgaatttat ctgcaaatag tcaaaatcaa aattactata taatgattat      180

tgaaataatg cttttataga ttgcatttca atctgtatta aattgtatgt aaatcacagc      240

acaagatcta acacacaatt catctaacag aaagaactaa ataattttaa tgttattaaa      300

aattacatat aaaataactt ttacaataaa gtaaccttac atgagatgtg ttgatttcag      360

atacttttca tacaacagtg ctttctgtat aaacaatata atataaataa cggt           414
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<210>   1807
<211>   382
<212>   DNA
<213>   Ctenocephalides felis

<220>
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<222>   (29)..(30)
<223>   n = unknown

<400>   1807
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tgataaattg cctgcaagaa tgagtttcnn ggaacgaaaa gaatcggcca aatgcatgca      60

aaaggttgca ttaaatatac aactagcagc agccagagtt tcaactgatg ttggcattaa      120

agtaggagaa gccctcagga atgtcgtgga acttcgttta gatttgggaa aatgttcttc      180

agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg      240

catcgtgtga aattgtaact tgaaataatt tttcttaact attagtttta tagatgaaca      300

aatacataat ctaataaacc agaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      360

aaaaaaaaaa aaaaaaaaaa aa                                              382
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<210>   1808
<211>   500
<212>   DNA
<213>   Ctenocephalides felis

<220>
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<222>   (51)..(51)
<223>   n = unknown

<220>
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<222>   (53)..(53)
<223>   n = unknown

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<222>   (142)..(142)

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<223>   n = unknown

<220>
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<222>   (150)..(150)
<223>   n = unknown

<220>
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<222>   (188)..(188)
<223>   n = unknown

<220>
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<222>   (203)..(203)
<223>   n = unknown

<220>
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<222>   (211)..(211)
<223>   n = unknown

<220>
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<223>   n = unknown

<220>
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<222>   (319)..(319)
<223>   n = unknown

<220>
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<222>   (324)..(324)
<223>   n = unknown

<220>
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<222>   (335)..(335)
<223>   n = unknown

<220>
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<222>   (353)..(353)
<223>   n = unknown

<220>
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<222>   (364)..(364)
<223>   n = unknown

<220>
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<223>   n = unknown

<220>
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<222>  (449)..(449)
<223>  n = unknown

<220>
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<222>  (481)..(481)
<223>  n = unknown

<220>
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<222>  (494)..(494)
<223>  n = unknown

<400>  1808
tttttttttt tttttttttt tttttttttt ttacaaagga acggcccaaa ngntttattt        60

ttattaaaaa gatacatgta atttcataaa gcttctatat ttatatattt taaataatca       120

gaaattacta tagttaatga cnttttgttn gtgctcctta cataaaatac aatttttatac      180

attttaantt ttatacatat ttnttatatt naattgcaca natcatttgg gtatttatta       240

tattaattga ctactttatg ataatttgaa tcctaattag tctattcaag attgttttcc       300

tgggttaagc cttacttanc aatntcactt ttgcnttctt cgccgggtgg cgngggtatg       360

catngcaact cccgttttat caaagtgcaa gccatttgga caatcataat gnttttattt       420

ggcatttgtt ggtaaccaaa aaacattgna aaatatttt tacaaatctc tttcgacggg        480

naaaaacgtt tttncttttg                                                   500


<210>  1809
<211>  500
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (62)..(62)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (207)..(207)
<223>  n = unknown

<220>
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<222>  (401)..(401)
<223>  n = unknown

<220>
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<222>  (408)..(408)
<223>  n = unknown
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<220>
<221>  misc_feature
<222>  (473)..(473)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (490)..(490)
<223>  n = unknown

<400>  1809
tttttttttt tttttgaacg gcccaaacga tttattttta ttaaaaagat acatgtaatg      60

gnataaagct tctatattta tatattttaa ataatcagaa attactatag ttaatgacat     120

tttgtttgtg ctccttacat aaaatacaat tttatacatt ttaattttta tacatatttt     180

ttatatttaa ttgcacagat catttgngta tttattatat taattgacta ctttatgata     240

atttgaatcc taattagtct attcaagatt gttttcctgg tttaagcctt acttagcaat     300

ctcacttttg cattcttcgc cgggtggcgt gggtatgcat cgcaactccg ttttatcaaa     360

gtgcaagcca tttggacaat cataatgttt tattttgcca nttggtgnta accaagaaac     420

attgataata tttttacaa tctcttcatc gggaaaaaac gttttttactt ttngctgcat     480

tctggacgan aaaaaatttg                                                500


<210>  1810
<211>  488
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (483)..(483)
<223>  n = unknown

<400>  1810
tgaaatgtga agacggcgtc aacgaatggt ttgtcccaaa atctttctcg tgcagaactg      60

cgtgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt     120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg     180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg     240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc     300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa     360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt     420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaattt     480

aanaaaaa                                                             488
```

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<210> 1811
<211> 335
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (33)..(34)
<223> n = unknown

<400> 1811

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tttctttaaa attgtaacat ctatatacat ganntcatga tcggctccct ggtttatttc      60

taccgattac tacagtatta tatttataat atgttcaata tagcactgtg gtccaatttt     120

attttgacca aaggtttata taaaaatcca ggttttcttg atcatgtaaa atgttggtcc     180

attatcttaa attattatat tcagaatgat atataatcca ttcaactttc taaaacaaac     240

aagaaatctg tgcaacgtct gatatctgtg aatatgtatt gtatttaata tatatgttaa     300

gtgtttaaaa atatatttct atttcatata cttgt                                335
```


<210> 1812
<211> 415
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (28)..(28)
<223> n = unknown

<220>
<221> misc_feature
<222> (59)..(59)
<223> n = unknown

<220>
<221> misc_feature
<222> (167)..(167)
<223> n = unknown

<220>
<221> misc_feature
<222> (385)..(385)
<223> n = unknown

<400> 1812

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cagttattta tattatattg tttatacntt aaagcactgt tgtatgaaaa gtatctgana      60

tcaacacatc tcatgtaagg ttactttatt gtaaaagtta ttttatatgt aatttttaat     120

aacattaaaa ttattttgtt ctttctgtta gatgaattgt gtgttanatc ttgtgctgtg     180
```

```
atttacatac aatttaatac agattgaaat gcaatctata aaagcattat ttcaataatc    240

attatatagt aattttgatt ttgactattt gcagataaat tcattacatt ttaaaatgtt    300

tactttatta agctatacaa accttgaact ttacactttg tatttctaga acataagtat    360

taaataaatt gttaaaaata tttgnggcta gattttccta ttgctaattg tgtgt         415
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<210>   1813
<211>   287
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (26)..(26)
<223>   n = unknown

<220>
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<222>   (28)..(28)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (56)..(57)
<223>   n = unknown

<400>   1813
tatcaagcaa actgaatttg atctgntnta aaactgaatt caagacataa aagcannacc     60

aaatatgtat agataaaaga taaagattgt aaaaagtttg agaaacactg tttggatggt    120

gaaacgaaat atagaaaaca caaaagttaa aatatatata tactcagccc caaataatat    180

aatttaaaat tatggttaag tttgtttagt agctcagtgg taatagcatt agccttgcaa    240

ccagaattgc agattccatt ccctcattaa acctgatatc aagcagt                  287
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<210>   1814
<211>   287
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (201)..(201)
<223>   n = unknown

<400>   1814
tatcaagcaa tttgaatttg atctgaggta aaactgaatg caagacataa aagcatcacc     60

aaatatgtat agataaaaga taaagattgt aaaaagtttg agaaacactg tttggatggt    120
```

```
gaaacgaaat atagaaaaca caaaagttaa aatatatata tactcagccc caaataatat    180

aatttaaaat tatggttaag nttgtttagt agctcagtgg taatagcatt agccttgcaa    240

ccagaattgc agattccatt ccctcattaa acctgatatc aagcagt                 287
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<210>    1815
<211>    126
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (29)..(29)
<223>    n = unknown

<400>    1815
tttactactt cagaattatt tatttctant aaacaacgaa tttaaacttt tagaatattc    60

aaaattaatt gcgacaagca atattaccat gcactcttga agattttaaa aaaaagtagt    120

taaggt                                                              126
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<210>    1816
<211>    118
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (27)..(27)
<223>    n = unknown

<220>
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<222>    (29)..(29)
<223>    n = unknown

<400>    1816
catcactgag aagaactctt cggctantna atatcttcat tggaggcgcg ttgttggtgc    60

acgcagcatt aacaaggttc ttgcaattca gcataatgac cagaagaaaa atacaggt     118
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<210>    1817
<211>    500
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (51)..(52)
<223>    n = unknown
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<220>
<221>  misc_feature
<222>  (397)..(397)
<223>  n = unknown

<400>  1817
ttttttttttt ttttttttttt tttttttgcac aaacaaatac atttattgtt nntaagtgaa      60

gatttcatag aagaacatgt ttaaaataga tagttgaaaa caagagtcta atgtaataca        120

tagaagtaga aactggtgcc ttttgaataa cttgtactag ttttggcaca aagattaaaa        180

atataaaata aattggaagc caatttatcg ctattctatt ttttgtttaa ctataaggtt        240

atttaatagt accctccacc ccatttagta aacagaattc agggatgatc gaattgcact        300

tgaaaataca aaaagatatt ttgcagtgaa tggatatccc tcgatattag cagtcaacaa        360

ctgagaatta atgtcttttg ttcaaattgt tattcgntgg ctaataatat ctcatattat        420

acatctaact taaatttata ttaattaaac tattttacat cattttagat gaactcggaa        480

taattttata tttaaagcaa                                                     500


<210>  1818
<211>  500
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (40)..(40)
<223>  n = unknown

<220>
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<222>  (63)..(63)
<223>  n = unknown

<220>
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<222>  (71)..(71)
<223>  n = unknown

<220>
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<222>  (88)..(88)
<223>  n = unknown

<220>
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<222>  (108)..(108)
<223>  n = unknown

<220>
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<223>  n = unknown

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<222>  (177)..(177)
<223>  n = unknown

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<222>  (184)..(184)
<223>  n = unknown

<220>
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<222>  (186)..(186)
<223>  n = unknown

<220>
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<222>  (204)..(204)
<223>  n = unknown

<220>
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<222>  (464)..(464)
<223>  n = unknown

<400>  1818
ttttttttttt ttttttttttt ttttttttttt ttttttaattn cataaagctt ctatatttat      60

ggnttttaaa naatcagaaa ttactatngt taatgacatt ttgtttgngc tccttacata     120

aaatacantt ttatacattt taatttttat acatatttt tatatttaat tgcacanatc     180

attngngtat ttattatatt aatngactac tttatgataa tttgaatcct aattagtcta     240

ttcaagattg ttttcctggt ttaagcctta cttagcaatc tcacttttgc attcttcgcc     300

gggtggcgtg ggtatgcatc gcaactccgt tttatcaaag tgcaagccat ttggacaatc     360

ataatgtttt atttgccatt tgttgttaac caagaaacat tgataatatt ttttacaatc     420

tcttcgtcgg aaaaaacgtt ttcacttttg catgcagttc tgcnagaaaa agattttggg     480

tcaaaccatt cgttgacgtc                                                  500


<210>  1819
<211>  394
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (29)..(29)
<223>  n = unknown

<220>
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<221> misc_feature
<222> (31)..(31)
<223> n = unknown

<220>
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<222> (59)..(59)
<223> n = unknown

<400> 1819
tctccaatat caaagcaggc tacagacant nacaagggga tcacgagagc tttcaagtng   60

gtggatcaat atacgcaata actcataatt cttctcattg agacgtgggg cattctctct   120

ccagaactta gcagatttgt gaacaggtga ccattccaat ctgccggact tgatttctgt   180

agcatattca tcaaatgagc caaggtcttg aatggaagct tgtaattttt cggtcaaata   240

ttcaacatca gcaacgatat cctcatcatc tgaacgtctt tgttccagga tggataattg   300

tttcaatacc ttgctttgca ccattgcaat gcaatgctcc ttggccacct gttgatcttc   360

cactttctca attaaattcc tataaacagc cagt   394

<210> 1820
<211> 269
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (28)..(28)
<223> n = unknown

<220>
<221> misc_feature
<222> (56)..(56)
<223> n = unknown

<400> 1820
agatctacta atgccgcgtt taccactntc acagcaattc cgcaaaccag caaccncaaa   60

tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg   120

catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct   180

attatgggaa atccaatcgc atatccagct tccaacatta agaatgcat aaatgcctgt   240

tcttccattg tgtctttaca ctcggtcgt   269

<210> 1821
<211> 496
<212> DNA
<213> Ctenocephalides felis

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<220>
<221>   misc_feature
<222>   (47)..(50)
<223>   n = unknown

<220>
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<222>   (175)..(175)
<223>   n = unknown

<220>
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<222>   (293)..(293)
<223>   n = unknown

<220>
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<222>   (325)..(325)
<223>   n = unknown

<220>
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<223>   n = unknown

<220>
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<222>   (411)..(411)
<223>   n = unknown

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<222>   (446)..(446)
<223>   n = unknown

<220>
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<222>   (483)..(483)
<223>   n = unknown

<220>
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<222>   (494)..(494)
<223>   n = unknown

<400>   1821
tttttttttt ttttttttttt ttttttatttc ataaagcttc tatattnnnn tattttaaat      60

aatcagaaat tactatagtt aatgacattt tgtttgtgct ccttacataa aatacaattt      120

tatacatttt aattttata catatttttt atatttaatt gcacagatca tttgngtatt      180

tattatatta attgactact ttatgataat ttgaatccta attagtctat tcaagattgt      240

tttcctggtt taagccttac ttagcaatct cactttttgca ttcttcgccg ggnggcgtgg      300

gtatgcatcg caactccgtt ttatnaaagn gcaagccatt tggacaatca taatgtttta      360

tttgccattt gttgttaacc aagaaacatt gataatattt tttacaatct ntttgatcgg      420
```

```
aaaaaacgtt tcacttttgc atgcanttct ggacgaaaaa agaatttggg tcaaaccatt      480

tcntggccgt cgtntt                                                      496
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<210>    1822
<211>    296
<212>    DNA
<213>    Ctenocephalides felis
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<400>    1822
catcaccgag aagaactctt cggctattga atatcttcat tggaggcgcg ttgttggtgc       60

acgcagcatt aacaaggttc ttgcaattcg gcataatgac cagaagaaaa atacaggtac      120

tgcttttcat tttgtttcag taatagatta cttcttgaga tagataataa tactgtggag      180

aagtaacctt cacatgaagt aggcttggtt ctttataatc actggctttg ttctggatat      240

tagaaatctg atcacaaaat tttattaagt tattattatg ttaagtaaca tcccac         296
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<210>    1823
<211>    328
<212>    DNA
<213>    Ctenocephalides felis
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<220>
<221>    misc_feature
<222>    (29)..(29)
<223>    n = unknown
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<220>
<221>    misc_feature
<222>    (57)..(57)
<223>    n = unknown
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<400>    1823
taaaatgtta aatatttata atatatttnt gataaataag ggtcattaaa catcatntgc       60

atgtttttga aaaaacacca caacattgtt tatagtaagc tttgcctttg ttactttagt      120

tttcaaaatt tgttcaaggc cctcttctcc ctttccttcg taagcttttt taagtatctc      180

ataagtcaat cctttttttg acattttgcg aagtgtttca atggttacga ctgatttaag      240

aggtgccaat aatattagct catcagccat tttttgcatt tccaaaatat catcgataat      300

tctgagtttg tttgaaagtt gcttcagt                                        328
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<210>    1824
<211>    261
<212>    DNA
<213>    Ctenocephalides felis
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<220>
<221>  misc_feature
<222>  (35)..(35)
<223>  n = unknown

<400>  1824
tctcggtgga atcgatttct gtagtttcgt cgttnactga caatattaga gccaataaat      60

atttcttaga aacatcaaca gcccacgtag tctgtgcaag attggtagtt ggtatatccg     120

taatgataat ctgaggttgt tgctggttta ccgattgttg ctggtttatc gattgttgct     180

ggtttagcaa ttgctgctgt tgccagagaa atttttgttc ctgaactttt tggtattgtc     240

gcaactgctg ttgatgtaag t                                               261


<210>  1825
<211>  419
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (29)..(29)
<223>  n = unknown

<400>  1825
ctgcatacca gtcagactgt ttaggtttna gtgtcacttc ttccccatcc ataccatcct      60

taccatcctt accatctttc ccaaccttgc caacatcttc cccaacagca ggatttcctt     120

ttggccgaaa atctcttgat atgcaaacaa aaactggaac taaatgtaca aaaggagaag     180

tttctaaaga cgatttaaat tctacatgta cctagtgagt gtgttatatg aaattgctat     240

tgcatattac atacaagctt aataaaggtt aaaaaaaaaa aaaaaaacct tttgcatgta     300

ggatccaatg gatcgcgaaa tagtccaact cttggacaaa tgaatggttg ctgccaaata     360

cgaacgctgc tggaatttgt ttcaactgga attagttctt gagactccaa agacaatgt     419


<210>  1826
<211>  500
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (61)..(61)
<223>  n = unknown

<400>  1826
ttttgttatt ttcggaaact tggattaata ttgaagaacg aattaatatt cagaactatg      60

nctgcgttac tcaatacaaa cgatcggact caagagcagg tggtgtagct gtctaatgtc     120
```

```
tattattcat gttcagatac tcttcataat gcgactccta tgcagtttct tgcgccaacg      180

atattactgg atatttctaa tgaaattaca caagtaggtg atattacaca cacagaatca      240

aacattgatt atagtcgtcc tttacatttc tcccaataaa aacatatcaa atattattaa      300

atttcttcat cagcagttac ttcattttc ttatgagggt gcaaaacttt taaacactaa       360

tcacaacgag ataccattaa ttcttgctgg agatttcaat gtcaatttc cgttcagaag       420

aatctcaacc attaattgat tttttaaata ataaatttaa tttaacaatg aataattctt      480

catttgaatc aaccacaaga                                                  500
```

```
<210>  1827
<211>  205
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (29)..(29)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (56)..(56)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (148)..(148)
<223>  n = unknown

<400>  1827
ctgctaatta tatacaaatt atcaaattna atgttaatgc taatacaact gataangttg       60

agacaaaata aaggaagatt cagataaaaa tgtaaatatt aatattaggc atttataaca      120

aatcatgtgc ttttccttgc tcactaanat cttgctatta tgttatggtt gatactagac      180

aactgtatat taagtaatta taagt                                           205
```

```
<210>  1828
<211>  485
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (59)..(59)
<223>  n = unknown

<220>
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```
<221>  misc_feature
<222>  (148)..(148)
<223>  n = unknown

<400>  1828
tcctcagccc ggcacaaaag taccccaatt tgcccccttg acgggagatg acgtgctgng       60

acctatgtcg ccatcccggt cttcgctgaa ggtaccttcc caaacatatt ccataataat      120

ccataataca taataattca cataatantt cgacggctgc ggggttgatt aagggcggtt      180

tccccgattg aaaccgtacg cgtccatcga ttcggacatc tcaatggtcc tcgctcgtgg      240

actactgggc ccagctttca actcacatat ataaccataa aacaaaaacg taaatccgat      300

atggcgtccc gatataagcc tgcagactta tatttataca atttatgttg caacaaccta      360

ctctccacaa acaaaaatcc cactataact tcttatatgt cttcttaatt ttacgactta      420

tctaatgggg ggaatcttaa aactaaacct attactataa ttatggttaa ttatttacat      480

atgta                                                                  485


<210>  1829
<211>  173
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (29)..(30)
<223>  n = unknown

<400>  1829
tttctttagt ggtgcactgt agatatccnn tttgatcagc gcacacttga tctgggctac       60

aggattcctt aaccggatct gctcctattt ccggacaata ctgcatttcg ggtgaactgc      120

acgaattcac gcaactaaat tttacttttt tacatttttg ctcgggtttc ggt            173


<210>  1830
<211>  493
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (62)..(63)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (205)..(205)
<223>  n = unknown
```

```
<220>
<221>  misc_feature
<222>  (478)..(478)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (487)..(487)
<223>  n = unknown

<400>  1830
ggttccttta agacagagtt tggcttaaat tctttgaaca gttcagaaat gcacagactt      60

gnnttgaata tgaaaaccag cgataaactt ggaaaaaaat attttgaata caaagttaaa     120

cgtgctgatc ctgaattaaa aaaaggctgt gataaaacct gtcttaaaaa tcatatgtgt     180

gcaatagtta ccacagttgt atcanatctc atccagtgca aaaatatcat caaatcatca     240

tcaagcattc ttcagcattt gaatatatat gtcctaggag ctattgtaat ttccaattat     300

ttattattat aaagtcattt ttgttaagtt attataaatt tagaataaat cattatgttg     360

gaaatatgta aacgctttga aaaagctagg atcaaatcaa atattttttg aaaaatacga     420

aaaaaaacaa tttagtaaaa aaaacttatt tgtaaagtga aataaagata tctatatntt     480

ttaaaanaaa aaa                                                        493


<210>  1831
<211>  393
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (33)..(33)
<223>  n = unknown

<400>  1831
tctccaatat caaagcaggc tacagacaga acntggggat cacgagagct ttcaagtaag      60

tggatcaata tacgcaataa ctcataattc ttctcattga gacgtggggc attctctctc     120

cagaacttag cagatttgtg aacaggtgac cattccaatc tgccggactt gatttctgta     180

gcatattcat caaatgagct aaggtcttga atggaagctt gtaatttttc ggtcaaatat     240

tcaacatcag caacgatatc ctcatcatct gaacgtcttt gttccaggat ggataattgt     300

ttcaatacct tgctttgcac cattgcaatg caatgctcct tggccacctg ttgatcttcc     360

actttctcaa ttaaattcct ataaacagcc agt                                  393


<210>  1832
<211>  322
```

```
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (97)..(97)
<223>  n = unknown

<400>  1832
acttattaaa cttttttcat caattggaat gtctacagaa caccagcgtg ttttataatg    60

aatacaaaaa cgcggaacag acaaaaataa atctaanttg cattattatg tttataatgt   120

atcttagaac atcaaagata taaaaccttt ctaaatatta aattgaaaaa atatgaatag   180

ccatgatata agggtaaata gatgtccaaa aaaaacgttt catttaagaa agtcatatga   240

gtagattaga ttttaaattt gtgcacagaa tttatgactc atgatctttt taatcgctat   300

tcataaaata aacggtaaaa tg                                            322



<210>  1833
<211>  287
<212>  DNA
<213>  Ctenocephalides felis

<400>  1833
caaataatga tggatgtgat ttcatatatc cctaaacttt ggatcagagt ttgagagaag    60

cctagccata gtgtatagaa aattatgtgt aggtgtataa ttaagattgt caggagtcaa   120

atatataaag cattgataca aattatacat tccaattttc tgtaaaccgt gttctttggt   180

tgattatggt ttatatcaca atttatgaat catgtaaatt aattgtaaat ttgaaatgta   240

tctccgatgt aaatgtatta aaaaaaaaaa aaaaaaaaa aaaaaaa                  287



<210>  1834
<211>  313
<212>  DNA
<213>  Ctenocephalides felis

<400>  1834
aattcttggc tataagttcg ttgcatgttt tgcaagtgat ttgtttattg catttattcc    60

cgtggcatat tttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc   120

atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac   180

aaactttggt cttcgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt   240

tttgaacgtt acaacccgat ttctcgcaac acattttttc tcggttagtc gagtcacaac   300

tttctttaac cgt                                                      313
```

```
<210>  1835
<211>  442
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (438)..(438)
<223>  n = unknown

<400>  1835
caacacagag tttccacagt tcagcaccat tagcacaaac agacaaccgg catgagttat      60

ccaatcgctt gcgattctat gctctggtaa aaaatataag tcgagaagct gccatatgct     120

tctccaaaca ttgacagttc caatgaaact aaaaaataga aataagtcag caactaaaac     180

tctccaaaat ccttccaaac gagcacatgt ccatcgcatg ataggctgaa gactgaatgt     240

gagtattaca atcccgtagc caagtgcaag tgaagccaga gcactaagcg atggatcatc     300

tggaaatata atattgtcca atatcacccca agctcccctc cacacgacaa ccaccaagga     360

tccaacgatg aatacggaaa ataagcaatc gattacgtaa agccatttct tctgatgact     420

cgattcttta aaatatgnag gt                                              442


<210>  1836
<211>  167
<212>  DNA
<213>  Ctenocephalides felis

<400>  1836
ctgcatacca gtcagactgt ttaggtgcaa gtgtcacttc ttccccatcc ataccatcct      60

taccatcctt accatctttc ccaaccttgc caacatcttc cccaacagca ggatttcctt     120

ttggccgaaa atctcttgat atgcaaacaa aaactggaac taaatgt                   167


<210>  1837
<211>  498
<212>  DNA
<213>  Ctenocephalides felis

<400>  1837
aaagatatag ttttttaatt gcaacatatt ggctataatc ttgggttgtt gaaaatcaac      60

ttggtttgag ggataacacc actatagatt caaatactcg ccaatcacac aaaaacactt     120

ttaaattcct tctaccagaa aaaaaatga caaaaagaaa aacacgtttt taaccagtta     180

cagtagtgtt actcctcaat ccaatgaaat tttatgcagt tctgttacaa aattatatct     240

gttgtaatat ttaaaaaagt taaacttttg cttaaccaat gaaaataaga tctcaataga     300

agacttaaat taaatatgat agtgatacat gagcatatgt tcataaatca actttctgat     360
```

```
tgattttcta tgataaatgc attgactaca ctattttact tactactaca cgtcctttac      420

agaatgcata taaattaaaa tatgcaatat atttatattc attgagtgaa aaccgatttg      480

taagcaaaac agcttaca                                                     498
```

```
<210>   1838
<211>   498
<212>   DNA
<213>   Ctenocephalides felis
```

```
<220>
<221>   misc_feature
<222>   (392)..(392)
<223>   n = unknown
```

```
<220>
<221>   misc_feature
<222>   (397)..(397)
<223>   n = unknown
```

```
<220>
<221>   misc_feature
<222>   (498)..(498)
<223>   n = unknown
```

```
<400>   1838
caataaatat tgaatttaca ggcttatgaa caccattaag agtaaacctc aatttgatca       60

cagcaccctt ctctcccaac tcaattttct tcgtataccc catgtaattg atatgattag      120

ccctttcctc ttcctcgaaa taaacccaat tatgtagacc tgttacttca caattttta      180

attcagctaa gaaaacatgc tcaaatgctg aactaccgat tttgccacct cctctggagt      240

ataaattaaa ccaaatcgtt ttcaataaat ccttatgagt ttggggatct ctagtcacaa      300

ttcccttttc aataaaaaaa ttcataagat gtcgcatcag ctggtggat aacattgcat       360

ctaacaaagc attttcttca tttctttctt gngcagntac atgttcattt actgcagtat      420

ctaattcata attattaaat atgggttcat aagcgcttag gtttaatatc aaaagctgct      480

gattcacaac aagccatn                                                    498
```

```
<210>   1839
<211>   131
<212>   DNA
<213>   Ctenocephalides felis
```

```
<400>   1839
cttttgcatg taggatccaa tggatcgcga aatagtccaa ctcttggaca aatgaatggt       60

tgctgccaaa tacgaacgct gctggaattt gtttcaactg gaattagttc ttgagactcc      120
```

aaagacaatg t   131

<210> 1840
<211> 386
<212> DNA
<213> Ctenocephalides felis

<400> 1840
cctacacaac tcagggcaat ggcagtatgt atatctttaa tgatgggtcg attaggaagt   60

gttgttggaa gcaatgttgt aggaataatt ctagattata attgcgattt aacattttta   120

atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat   180

cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt   240

cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcaattacaa agaaaattca   300

gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt   360

tattagattc gatgtaagat atatgt   386

<210> 1841
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (63)..(63)
<223> n = unknown

<220>
<221> misc_feature
<222> (70)..(70)
<223> n = unknown

<220>
<221> misc_feature
<222> (470)..(470)
<223> n = unknown

<220>
<221> misc_feature
<222> (491)..(491)
<223> n = unknown

<220>
<221> misc_feature
<222> (494)..(494)
<223> n = unknown

<400> 1841
tttttttttt tttttttttt tttttcata tatcatataa gttatatttc gtatacattt   60

tgnggtttgn ggtccatatt ttaatttgct acttaacata ttctatgatt atggatttat   120

```
tcaaaattaa tttatccaaa cagcttataa aattgtattt atcttttatc cattcaacaa    180

taaaatgtta acaaaaaaat acacatagaa atcttttcag acatggccat ttaaacattt    240

tttcattaag gttatcaaaa atatatcagg catggccatt tatacatttt ttttattaga    300

gtcatcaaaa aaatagtata atttctatgt tattattcaa aatctataca ttaataagga    360

tgttagaagt ttgttcggtt aattttcagg cagaggttgc tattgtagta atagaacaat    420

tttaatcatc taaaatttga ttaatctatt acatttaatc attcaatagn aaattccttt    480

tggaatttcg naanggtggc                                                500
```

```
<210>   1842
<211>   494
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (205)..(205)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (458)..(458)
<223>   n = unknown

<400>   1842
ggttccttta agacagagtt tggcttaaat tcattgaaca gttcagaaat gcacagactt     60

gtattgaata tgaaaaccag cgataaactt ggaaaaaaat attttgaata caaagttaaa    120

cgtgctgatc ctgaattaaa aaaaggctgt gataaaacct gtcttaaaaa tcatatgtgt    180

gcaatagtta ccacagttgt atcanatctc atccagtgca aaaatatcat caaatcatca    240

tcaagcattc ttcagcattt gaatatatat gtcctaggag ctattgtaat ttccaattat    300

ttattattat aaagtcattt ttgttaagtt attataaatt tagaataaat cattatgttg    360

gaaatatgta aacgctttga aaaagctagg atcaaatcaa atattttttg aaaaatacga    420

aaaaaaacaa tttagtaaaa aaaacttatt tgtaaagngg aaataaagat atctatatat    480

tttaaaaaaa aaaa                                                      494
```

```
<210>   1843
<211>   500
<212>   DNA
<213>   Ctenocephalides felis


<220>
```

```
<221>  misc_feature
<222>  (110)..(110)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (477)..(477)
<223>  n = unknown

<400>  1843
tttttttttt tttttttttt tttttttttt ctgacagact cgagctaggc ttaaaaaact     60

acatttttac agatgcgatt aatgaaaatt aaagtttgct actaatccan atctatcctt    120

gattctgttt ttgctgctaa tgtgccacaa tgaaatttag atgctctcat tttcttaaaa    180

ctaagtgtta aatcatccat tgtaattggt cgtagagcat catgaaattc ctcttctgcg    240

tcttgtatgt gtggcaccaa aggtgattca gtgtgcatat aatctctaac tctatacaca    300

gaagcatttc ggcataattc ccttaagtct gatcctgaaa atccctcagt gagtttagat    360

aattcatcta aatcaacttc atctgaaata ggttcatttt ctaaaataag ctctagtatc    420

ttgaatcttt gtgtcttatg ggcatgccaa tatggaatgt ggctggcata cccgcanaat    480

tgctctatct aaatcttgag                                                500


<210>  1844
<211>  258
<212>  DNA
<213>  Ctenocephalides felis

<400>  1844
tttgttttac tttatgtgtt atataaaaaa atattatggt tgaacacagg ctcgcaaata     60

tgataaggca tttaagaatt ttacaattta gattttttta aatccatgaa tatatttgtt    120

ctaatcaaaa ttattcattt tacgcttaat tttattggtt gaactaatag atagatagat    180

aaagatatag agttaatata aaaatgaaga aaataaaatt aaaagtaaaa aaaaaaaaaa    240

aaaaaaaaaa aaaaaaaa                                                  258


<210>  1845
<211>  238
<212>  DNA
<213>  Ctenocephalides felis

<400>  1845
tttgttttac tttatgtgtt atataaaaaa atattatggt tgaacacagg ctcgcaaata     60

tgataaggca tttaagaatt ttacaattta gattttttta aatccatgaa tatatttgtt    120

ctaatcaaaa ttattcattt tacgcttaat tttattggtt gaactaatag atagatagat    180

aaagatata gagttaatat aaaaatgaag aaaaaaaaaa aaaaaaaaaa aaaaaaaa       238
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```
<210>  1846
<211>  456
<212>  DNA
<213>  Ctenocephalides felis

<400>  1846
cttttttgaga aaattaacac atttatacac ttgatagaag aatttattat taatacatat      60

tatatatatt gaatatagaa agcaaatcta ttataaaaat attaatgcac ttatgtcaat     120

agtttcatat agtattgcca ggaaaagcta agtattaagt ataatatatt tagttattct     180

taaaacatat gttgttgttg ttttgataaa gctgtgtctt aaaatgactt tatatacagc     240

aattatcttc aataatcctt tccacaattt tgctcggtgt gttttagttt gctcaaatct     300

atgggtgtat tgttttccac atatgtctta atttctttca tcaattccga tgatgggttt     360

tgctcacgtg tgagaatcca agctaattcc atttttcctc gtggatgaat tgtgcagctc     420

cacacaatag caaatttatc aaaatcgctt tttagt                               456


<210>  1847
<211>  328
<212>  DNA
<213>  Ctenocephalides felis

<400>  1847
ctcttaccca aatattatct atatctctta catatatagc atacaataat gggctaagta      60

tacctccttg tggtagtcct ttattcacta ctctttcacc aattattttg ttatctttct     120

tcactattat attcctttca tatatattaa atgttaaggc tgacaccaat cggaatggta     180

atcctatttt aattaattct tggaacatta tacttggaac gacattatca tatgcccctt     240

taatatcgca aaagagtgcc accacataat tatttcttga aaatgccaaa ttaatatcaa     300

ccattaattt acataaatta tccttcgt                                       328


<210>  1848
<211>  430
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (96)..(96)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (128)..(128)
<223>  n = unknown
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<220>
<221>  misc_feature
<222>  (135)..(135)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (161)..(161)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (197)..(197)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (203)..(203)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (213)..(213)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (222)..(222)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (255)..(255)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (260)..(260)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (267)..(267)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (280)..(280)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (320)..(320)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (400)..(400)
```

<223> n = unknown

<220>
<221> misc_feature
<222> (405)..(405)
<223> n = unknown

<400> 1848
aaattgttga tggcacaact ttttgcagaa agttttgtaa actgattaac aaaaaaagga   60

aacattaccg ataagtagaa aataatataa ctaacngttt gtaatatgct ataaatctta   120

aaacaacnct cttgnaacaa aatattatag ggagatattg naggtgaaac cttaaagggt   180

aaatagaaaa gaaagcnttt ggntgaaaat gangaaattt gnttcaaaac ttctgaactt   240

ttctagaaac cgtgnaaacn tggctgnatt tattggaaan tattaatgga acctttggcg   300

gtttatttac caaggttcan ttcttcccgg actatttttt tttggcaaat aaatttaaag   360

attttatgat ttttttgggg acaacgtgca gtattttgn atggntataa aataataaat   420

ctacacatgt   430

<210> 1849
<211> 416
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (96)..(96)
<223> n = unknown

<400> 1849
aatttataca atattatatg taaaaaggta ttattgaaaa tttatatagt tgtctatggt   60

tttatgatga aatgaaattt taacaaaaaa taacantttt atataataac gggtataatt   120

aaaattgtta ttgtttaaac catgacaatg aactttgagt gagaaattct taataatgaa   180

tacgacaaat atgaattata aaatttcatt tatgtatgta aattaaaaat ttttattact   240

tttgctattt ataattcatt taagttggga gattaggtgt ccagctaaat tgaatggaaa   300

agcaaattta aataatacct gtatcgaaaa gagattataa agatgtaatt ataattacaa   360

caattcaaaa attgttataa aagatttaga aaatgtcaaa aaattgattc atgagt   416

<210> 1850
<211> 282
<212> DNA
<213> Ctenocephalides felis

<400> 1850
atttatatac aagaaaatag aacaagcaat atacgagctt tcaaattata catatttaca   60

```
taaaattaca ttgggaacac gacataccgc gttacacagg agtattatat tttattgggg    120

ttcataatgt agttattttt tacgtttatt tgttctttta tttctttgga ttaaaaaaat    180

aagcatacag gacatttttg tgtataaaat atatatgaaa aacaaattgt tttttttaaag    240

cttacaaaat cataaaagaa aagatctatg taatataaaa gt                       282
```

```
<210>  1851
<211>  472
<212>  DNA
<213>  Ctenocephalides felis

<400>  1851
cggtttgggt gatacaacac caaagacacg ctcagaattg acgttaccat taggtaattc    60

caggttcacg agagtcaaat catcaaaggg gtagcgttct ttaaagcgtt tatccaaaga    120

gtcccaagta ttatccaatt cctcatccac aaccaaagga tatgcattct tcgaatccaa    180

actaagttta tcagtgcctt ctacaactac agtgactaca gctttaggta attgaaaagg    240

attcaattta ctcactccgt cccattcagc agaactctgc tccgatgtca atcctaaggc    300

tacggaatac aattccttta caaagattg gggtaaagga gtctcgcctt ggaattggac     360

tccatttgga gaatttaata cactcagttc gccgttgcaa tatatggatg ccacaagggg    420

cagtaaataa attagaacct tttgccacat tttattactt acggataaac gt            472
```

```
<210>  1852
<211>  118
<212>  DNA
<213>  Ctenocephalides felis

<400>  1852
ctgtattttt cttctggtca ttatgctgaa ttgcaagaac cttgttaatg ctgcgtgcac    60

caacaacgcg cctccaatga agatattccg tagccgaaga gttcttctca gtgatggt     118
```

```
<210>  1853
<211>  500
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (450)..(450)
<223>  n = unknown

<400>  1853
tttttttttt ttttaagct ttccaacatt tgtattttat tcaaataaat ataaataaaa     60

atcataattc gacaatttta cttgtattta tcttaaacat atttacagta tttcctcaaa    120
```

```
aactgttaaa tacaataagt taacttaaat acatggatgt tctgagaatg tggatgagct    180

caagattgta gaactgagtt tgatctacac aattttttgcc taaaaggttc gactactcag    240

aaagcagcca cccgtgattc cataccgcct cacatttgac aataaaatat atgtataatg    300

ttaaatagga ttttaatgga aaaaagccaa tttaatactt tagcattatg aatatgtatt    360

tccaaattat tctataacga atttaaccta aaatacaaga aatacatatt cataaatata    420

catatatttt aatacaaaaa ggtaacttgn gcaaaaatga aattcaaata cacttggttt    480

gctaatttaa attggtttag                                                500


<210>    1854
<211>    386
<212>    DNA
<213>    Ctenocephalides felis

<400>    1854
atatatctta catcgaatct aataacaata aagagttatt aattttcatg tcgatgtttt     60

agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttctcaaag    120

tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct    180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca    240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat    300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac    360

tgccattgcc ctgagttgtg tagggt                                         386


<210>    1855
<211>    386
<212>    DNA
<213>    Ctenocephalides felis

<400>    1855
cctacacaac tcagggcaat ggcagtatgt atatctttaa tgatgggtcg attaggaagt     60

gttgttggaa gcaatgttgt aggaataatt ctagattata attgcgattt aacatttta    120

atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat    180

cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt    240

cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcgattacaa agaaaattca    300

gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt    360

tattagattc gatgtaagat atatgt                                         386


<210>    1856
```

```
<211>   270
<212>   DNA
<213>   Ctenocephalides felis

<400>   1856
agatctacta atgccgcgtt taccactgtc acagcaattc cgcaaaccag caaccacaaa    60

tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg   120

catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aataagcacc   180

tattatggga aatccaatcg catatccagc ttccaacatt aaagaatgca taaatgcccg   240

ttcttccatt gtgtctttac actcggtcgt                                   270


<210>   1857
<211>   176
<212>   DNA
<213>   Ctenocephalides felis

<400>   1857
aaccaactag agctaagaaa aaagccagcg atagcataga actgctatgt tcccctccaa    60

ataccactgt tgttttatca tataaaaatg ccataagtat ggagctaatg catccaatca   120

ccatcaatat atatatatat gaagagtctt ttatccttcc tgggtaaagt ttctgt       176


<210>   1858
<211>   244
<212>   DNA
<213>   Ctenocephalides felis

<400>   1858
aattctgtgt agatgaacat ccaagaccac aaacaactct agaaagttta tccaaattac    60

ctacaatttt caagaaagat ggcgttgtca cagctggatc tgcttccgga atatcggatg   120

gagcagcagc gattgtttta gcatcagaag aatcctgcaa acagtatggc ttaaaacctt   180

tggcaagatt ggttggatac tctacagttg gtgttgaacc tagcataatg ggtatcggac   240

ccgt                                                               244


<210>   1859
<211>   287
<212>   DNA
<213>   Ctenocephalides felis

<400>   1859
caaataatga tggatgtgat ttcatatatc cctaaacttt ggatcagagt ttgagagaag    60

cctagccata gtgtatagaa aattatgtgt aggtgtataa ttaagattgt caggagtcaa   120

atatataaag cattgataca aattatacat tccaattttc tgtaaaccgt gttctttggt   180

tgattatggt ttatatcaca atttatgaat catgtaaatt aattgtaaat ttgaaatgta   240
```

```
tctccgatgt aaatgtatta aaaaaaaaaa aaaaaaaaaa aaaaaaa                    287
```

```
<210>    1860
<211>    498
<212>    DNA
<213>    Ctenocephalides felis
```

```
<400>    1860
tttaaataat ttataaatta attttttgttt cacctttagg gcagtggttt ccaacccttt     60

ggcactccca taatcataat tttctggcag taactttttt tttcttgttt tttggtttgt    120

ttcgcaaccc acaggttgga aactccttt tagtttaaca gtggtttcca atcttcctac     180

accgcggtcc ctcattttta aattttgcg ttttaatttt tttttttaat ttctccagca     240

atatgatttt ataaattttc aactgatata tattgtttaa aaaaaaatat taatagaaaa    300

aatgctaatt tttataaaat gtttttattt tgtaaaaatt ggcattcttt ctatcaatat    360

tttttcttgt atcttcaatc ttatattttt atatatttct tttttttggtt tgtattcaaa   420

aatagtattt tggaaacagt ttcagccttc tgaaaactgc cttgcgcgca ccacagattg    480

aaaaacactg atttagac                                                  498
```

```
<210>    1861
<211>    500
<212>    DNA
<213>    Ctenocephalides felis
```

```
<400>    1861
tttttttttt ttccggtcca tacaactcta agctttccaa catttgtatt ttattcaaat     60

aaatataaat aaaaatcata attcgacaat tttactcgta tttatcttaa acatatttac    120

agtatttcct caaaaactgt taaatacaat aagttaactt aaatacatgg atgttctgag    180

aatgtggatg agctcaagat tgtagaactg agtttgatct acacaatttt tgcctaaaag    240

gttcgactac tcagaaagca gccacccgtg attccatacc gcctcacatt tgacaataaa    300

atatatgtat aatgttaaat aggatttaa tggaaaaaag ccaatttaat actttagcat     360

tatgaatatg tatttccaaa ttattctata acgaatttaa cctaaaatac aagaaataca    420

tattcataaa tatacatata ttttaataca aaaggtaac ttgtgcaaaa atgaaattca     480

aatacacttg gtttgctaat                                                500
```

```
<210>    1862
<211>    500
<212>    DNA
<213>    Ctenocephalides felis
```

```
<220>
<221>  misc_feature
<222>  (174)..(174)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (183)..(183)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (380)..(380)
<223>  n = unknown

<400>  1862
tttttttttt tttttttttt tttttttttt ttaatttcat aaagcttcta tatttatata      60

ttttaàataa tcagaaatta ctatagttaa tgacattttg tttgtgctcc ttacataaaa     120

tacaatttta tacattttaa tttttataca tatttttat atttaattgc acanatcatt     180

tgngtattta ttatattaat tgactacttt atgataattt gaatcctaat tagtctattc     240

aagattgttt tcctggttta agccttactt agcaatctca cttttgcatt cttcgccggg     300

tggcgtgggt atgcatcgca actccgtttt atcaaagtgc aagccatttg gacaatcata     360

atgttttatt tgccatttgn tgttaaccaa gaaacattga taatattttt tacaatctct     420

tcgatcggaa aaaacgtttt cacttttgca tgcagttctg cacgagaaag atttgggcaa     480

accattcgtg acgtcgctta                                                  500


<210>  1863
<211>  403
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (373)..(373)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (376)..(376)
<223>  n = unknown

<400>  1863
caaatatcta gcatgccaac attcgtgttc ctgaaaaacg gaaccaccgt aaccacgttc      60

actggtgcga actacgacaa agttcgggaa accattactt ctaatttata aatctttatg     120

ctgagtgcct gctatagatg tttaggctta gatttcaaaa ttttaatgtt tcagaaaatt     180
```

```
gttcatgttt gcacaaatta tatgtatata ttttttctta acttcaaatc ctaaaattac    240

ttcattgtgc tattttattc attaagcgta ttctacatag atcacatagt gtctttatca    300

gtgagcagtt catagtatat ttaagctaat atattttttg ttactgtatg agttcataaa    360

ggttataaca canaanaaaa aaaaaaaaaa aaaaaaaaaa aaa    403
```

<210> 1864
<211> 488
<212> DNA
<213> Ctenocephalides felis

<400> 1864
```
tgcactgaca cattatttag aaattactgc aattccgaga actcatgtct taaaagaact     60

tgctgaatac tgctctgatg aaaaaaaaaa agaacaatta aaattaatga gctcaactgc    120

tccagaagga aaacaattgt atcaagattg ggttgttgac cagaaccgta atattgtgca    180

tattttggaa gatctgccat catgtcgtcc tccaattgat catctgtgtg aattgttacc    240

tcgcttacaa ccacgttatt actcaatttc aagtagtgct aagctgtttc ctaccacagt    300

tcatatcact gctgttctag tgaagtataa aactccaact ggtagaatca acaaaggtgt    360

tgcaacatct tggctggcca aggtcaaccc cagtcctgag aaacctcaag ttgtgcctat    420

atttattaga aaaagtcaat tcagactgcc aaccaggtct cagactcaat tattatggtt    480

ggtcctgg    488
```

<210> 1865
<211> 498
<212> DNA
<213> Ctenocephalides felis

<400> 1865
```
catctattaa ttccagtatg gtgcttactt gcaacaacat cctggatagg aagtcttctg     60

attcaacctc cgcgtctaaa ttcataagtc cacttttttcc atctttagga ttagttaaat    120

tcgataacaa gattttttaaa aacatctgta attcaagtaa atcactaata aaaaaatctc    180

tatgtgctgg ctcgtcaaga atacttaagg cttcaaaccc aacagcaacc gaagattggt    240

caatttcatt agcatcatct ccagcaataa gatcaatctt gaactccttt tcttctattt    300

tatcattaaa atatgcaaac ataatttctt cttcagtttg actatcatca aatccacttc    360

atagggcagc ttatctaaaa caacacgctt cggttccttg cagtgtatga attgataaac    420

ggcgtgttac caaattcaag aatatgtcta acaacgtcta gtcctacctt tacatttctt    480

ttatttttga atctttta    498
```

```
<210>  1866
<211>  500
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (66)..(66)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (157)..(157)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (205)..(205)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (325)..(325)
<223>  n = unknown

<400>  1866
tttttttttt tttttttttt tttttttttc atatatcata taagttatat ttcgtataca      60

ttttgnggtt tggggtccat attttaattt gctacttaac atattctatg attatggatt     120

tattcaaaat taatttatcc aaacagctta taaaatngta tttatctttt atccattcaa     180

caataaaagt gttaacaaaa aaatncacat agaaatcttt tcagacatgg ccatttaaac     240

attttttcat taaggttatc aaaaatatat caggcatggc catttataca ttttttttat     300

tagagtcatc aaaaaaatag tatantttct atgttattat tcaaaatcta tacattaata     360

aggatgttag aagtttgttc ggttaatttt caggcagagg ttgctattgt agtaatagaa     420

caattttaat catctaaaat ttgattaatc tattacattt aatcattcaa tagtaaattt     480

cctttttggaa tttcgaatgg                                                 500


<210>  1867
<211>  230
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (182)..(182)
<223>  n = unknown

<400>  1867
tattctgaac taaacattgt taattcaaat ctcaattcta aattaaatct ttcatggaat      60
```

cttgcttgaa aattgaaaat tactctccat tattttacat gcgataattt attttgttgt   120

agatcaaaga tataagaatt agtgataaat ttaaagaaat aagagaacaa taaacatatt   180

gntaaaatca tcatttttat agtaaatgat agatttatga caacgtctgt   230

<210> 1868
<211> 493
<212> DNA
<213> Ctenocephalides felis

<400> 1868
tttttttttt tttttaattt cataaagctt ctatatttat atattttaaa taatcagaaa   60

ttactatagt taatgacatt ttgtttgtgc tccttacata aaatacaatt ttatacattt   120

taattttttat acatattttt tatatttaat tgcacagatc atttgtgtat ttattatatt   180

aattgactac tttatgataa tttgaatcct aattagtcta ttcaagattg ttttcctggt   240

ttaagcctta cttagcaatc tcacttttgc attcttcgcc gggtggcgtg ggtatgcatc   300

gcaactccgt tttatcaaag tgcaagccat ttggacaatc ataatgtttt atttgccatt   360

tgttgttaac caagaaacat tgataatatt ttttacaatc tcttcgatcg gaaaaaacgt   420

tttcacttttt gcatgcagtt ctgacgagaa agatttgggg tcaaaccatt cgttgacgcg   480

cttcacattt cag   493

<210> 1869
<211> 296
<212> DNA
<213> Ctenocephalides felis

<400> 1869
catcaccgag aagaactctt cggctacgga atatcttcat tggaggcgcg ttgttggtgc   60

acgcagcatt aacaaggttc ttgcaattca gcataatgac cagaagaaaa atacaggtac   120

tgcttttcat tttgtttcag taatagatta cttcttgaga tagataataa tactgtggag   180

aagtaacctt cacatgaagt aggcttggtt ctttataatc actggctttg ttctggatat   240

tagaaatctg atcacaaaat tttattaagt tattattatg ttaagtaaca tcccac   296

<210> 1870
<211> 425
<212> DNA
<213> Ctenocephalides felis

<400> 1870
agacgttgtc ataaatctat catttactat aaaaacgatg ttacgtgcat cgaagacgca   60

actcttattt cattaaataa aatcacaaac ataaatattt taaatacata tatacaagta   120

aaacatttct tggtctaaat aatgccatat actttatgat aatattttat attaaaatgt   180

ttcattatca aattactaat cacttacgga tgtcaataaa caaatctaaa atgatgattt   240

aacaatatgt ttattgttct cttatttctt taaatttatc actaattctt atatctttga   300

tctacaacaa aataaattat cgcatgtaaa ataatggaga gtaattttca attttcaagc   360

aagattccat gaaagattta atttagaatt gagatttgaa ttaacaatgt ttagttcaga   420

atagt   425

<210> 1871
<211> 369
<212> DNA
<213> Ctenocephalides felis

<400> 1871
cagtgatcaa caaaatgata ttgtcaatca tataactgta ggttatgaaa tccaagaaag   60

tggacagagg ttcgacagca tggtttctca tgtgttggaa ttcaataacc aattttttcac   120

gtaatttgtc atcaatggta gacacagata agggggaagg ctcatttgat aaaaaggtgc   180

cataatctgt aactgccagg tgcagcttca aatcttcaag agtttcacat tgcacaagat   240

ttaaataatc ggattgttta agaattccgc acttgaaacc acggcacagg ccttccagat   300

agccaccatc aatattaaac atgaaaccca tttttattca atttatctgg cagtaatcgt   360

ctcgtatta   369

<210> 1872
<211> 392
<212> DNA
<213> Ctenocephalides felis

<400> 1872
aaacctattt aagcatctta aaaataatta attacaacaa ttacactaaa ttaaattaga   60

attaaatctt aaactaacaa attcacttcc acgtgtatgt caaaaataaa atcactcaca   120

aatctttaag caaacaccat gacaagttca ctcttgatga caaagttctt atcttttatt   180

tacaattgtc tttgcacaat aatggattat ttaaattaaa tcactttgat tgatttatgt   240

gatgttcttc atctgatatt ttggatcttc gtcgtccaat ttggtcaaaa cttgcatttt   300

tgaattggcc ttctcgaagg tgtcgtattc tgctgatttt tgctctggag cccaccttct   360

aacttgtggt gccaacagca ttttatccag gt   392

<210> 1873
<211> 261
<212> DNA

<213> Ctenocephalides felis

<400> 1873

```
aaaaaaacta aaaatagcaa cttttgaaga aaagccaata aatctttcgc tgaaacaagt      60

tgatacatgc gattttcaaa aaaaaaaaaa aatcaaaagg aactgcatct tgaaagtgtt     120

tttagaatta tatatttctt taggattcta taaagttaag aatgcctgta caggcatatt     180

ttagcacaat ttttatcatg atgataatta ttttctatat ttcacatatt ggcaaagcaa     240

aaaaaaaaaa aaaaaaaaaa a                                                261
```


<210> 1874
<211> 270
<212> DNA
<213> Ctenocephalides felis

<400> 1874

```
agatctacta atgccgcgtt taccactgtc acagcaattc cgcaaaccag caaccacaaa      60

tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg     120

catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct     180

attatgggga aatccaatcg catatccagc ttccaacatt aaagaatgca taaatgcctg     240

ttcttccatt gtgtctttac actcggtcgt                                      270
```


<210> 1875
<211> 498
<212> DNA
<213> Ctenocephalides felis

<400> 1875

```
aatttcacat cgaataatat tattattctt acattctacc attccttgga atagttacac      60

attcattttt agaaaaaaat ataaatacaa ttccatttat catttgcaaa ttttcaattt     120

taaaaaaata ttgattcgat acattttgtg atgtttaccc gtattagccg aagggaatat     180

tttgttggtt tctgttgcgg taaaagaaaa atttgtagat tatttaattt tctataaatt     240

tgccgaatat ttcatttcaa tcaaataaac cgttcaaaag ttataaataa atgcactttt     300

cctaaactca agaacaaaac agtgaagcgc tgtgaatatt tatcaacttt tcaacaaact     360

tttttgagta taccgagttg ctgtagggtc ttcctatgtt aggaaaatgt tttagactat     420

tcaattttct atattttctc caaacatatt tttagttttc cgcaaatagt ttttaagtta     480

tcagaaatgt aacgaata                                                   498
```


<210> 1876
<211> 386
<212> DNA

<213> Ctenocephalides felis

<400> 1876

```
atatatctta catcgaatct aataacaata aagagttatt aattttcatg tcgatgtttt      60

agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttctcaaaa     120

tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct     180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca     240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat     300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac     360

tgccattgcc ctgagttgtg tagggt                                          386
```

<210> 1877
<211> 206
<212> DNA
<213> Ctenocephalides felis

<400> 1877

```
cggcgcagtt tactacggtc cgtgcaatag accatcaagt gactgcttta attccgaatg      60

ataaaaatta attaagatta aaagtattta catacattaa acgcaaaaat taaatctcat     120

ctcctctttt atgtgcagtt tacttgattg tcgttcggaa aaaaaatcaa agttcgtcga     180

gcgcgtgggt gactaatgtc tgttgt                                          206
```

<210> 1878
<211> 406
<212> DNA
<213> Ctenocephalides felis

<400> 1878

```
agatctacta atgccgcgtt taccactgtc acagcaattc cgcaaaccag caaccacaaa      60

tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg     120

catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct     180

attatgggaa atccaatcgc atatccagct tccaacatta aagaatgcat aaatgcctgt     240

tcttccattg tgtctttaca ctcggtcgta ctattcgtag tatcaatgaa gtcgtccgcc     300

ctaagcattg atgaattttg dacaacgtag catattgtac ttggtactcc tggatgagcg     360

ttttgaaatt ctgtcatttt acttatgata tcgggaaacc acatgt                    406
```

<210> 1879
<211> 498
<212> DNA
<213> Ctenocephalides felis

```
<400>   1879
aattttattg tatttatata cagataaaaa ttgatatcaa gttagataac aaaatataaa      60

atttaaaaat caaaacatat ttataaattt ttttggtctt atttctagaa tttattcagc     120

attagaaaca ttttgaataa ttttcttgaa tattgtgata cctcgaagga aagtttctgt     180

atctaaatat tcatcatggt catgcagcaa tactggcgtg ttattcatgg gagaaaaacc     240

aaaagccggc agtccaattt ctcttatata tctgctatct gttgcagctg aaaaaacttg     300

tggttcaaga acaagtccca tttcatcagt agctctttta aatgctgtcc aaaatttatt     360

gctttcattc agttcagtgt ttgctatcag tggttctttt tgtcaaattc tatttcaaca     420

tccttgccag cttctttgca ccatttcgt atctttctt ccaattcctt gtggctaagg       480

atggtgtaat acgtatat                                                    498
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<210>   1880
<211>   353
<212>   DNA
<213>   Ctenocephalides felis
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<220>
<221>   misc_feature
<222>   (324)..(325)
<223>   n = unknown
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<400>   1880
tgataaattg cctgcaagaa tgagtttcag ggaacgaaaa gaatcggcca aatgcatgca      60

aaaggttgca ttaaatatac aactagcagc agccagagtt tcaactgatg ttggcattaa     120

agtaggagaa gccctcagga atgtcgtgga acttcgttta aatttgggaa aatgttcttc     180

agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg     240

catcgtgtga aattgtaact tgaaataatt tttcttaact attagtttta tagatgaaca     300

aatacataat ctaataaacc agcnngcaaa aaaaaaaaaa aaaaaaaaaa aaa            353
```

```
<210>   1881
<211>   242
<212>   DNA
<213>   Ctenocephalides felis
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<400>   1881
taaaataaag ttacaaagga tttctcaagg tctggtgaga cgttccacaa aaattctaga      60

aatcagaaca atgcttccaa aatacaaata cacgtcctac aatatcacca ttcaacacct     120

ccaacaattt tactatatca tttactcctc aaaattcgtc ctagtaggct tataaacacc     180

gacatccttg tcctccgaat ggtagcccaa ggaggccaat tcgtccataa cctcaacatt     240
```

<210> 1882
<211> 413
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (165)..(165)
<223> n = unknown

<400> 1882
cgttatttat attatattgt ttatacagaa agcactgttg tatgaaaagt atctgaaatc   60

aacacatctc atgtaaggtt actttattgt aaaagttatt ttatatgtaa tttttaataa   120

cattaaaatt atttagttct ttctgttaga tgaattgtgt gttanatctt gtgctgtgat   180

ttacatacaa tttaatacag attgaaatgc aatctataaa agcattattt caataatcat   240

tatatagtaa ttttgatttt gactatttgc agataaattc attacatttt aaaatgttta   300

ctttattaag ctatacaaac cttgaacttt acactttgta tttctagaac ataagtatta   360

aataaattgt taaaaatatt tgtggctaga ttttcctatt gctaattgtg tgt   413

<210> 1883
<211> 443
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (197)..(197)
<223> n = unknown

<220>
<221> misc_feature
<222> (269)..(269)
<223> n = unknown

<220>
<221> misc_feature
<222> (363)..(363)
<223> n = unknown

<400> 1883
gtgccctgga ccaatatgta aatggccaag gaggctatgc cactcttgtc aatggtggag   60

ttggctggaa aaatgtaact ttactcctat cttctcagac tggcaaagga tttaacttct   120

tagttgaaat ttggggatat tagattagaa atataatgaa aatgtgaata tagaaaatat   180

attaaattta caatagngtt ttaaatttga cacacattta tctatgcatc cataaataaa   240

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ggttatctac tgcattcatt tacaattgnt tatgaattat tatgatttta tgaaattttg      300

tacatattcc aacatcaatg gccatgttag aatttgggca tgctattttt ttaatcagat      360

aanttatgat gaacctagaa ctatagctat gcttctgatg aaagtctaat gaataattta      420

taataaaatt cagaaatcga aaa                                              443
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<210> 1884
<211> 251
<212> DNA
<213> Ctenocephalides felis

<400> 1884
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aataaatata attttattat ataagaaaca tatgtataac aatacaaatt ataactattt       60

aacagtcttc ttgtgataat ttcttgacgg ccgtatctgt agactttgat acacctttt       120

tcggtaagct ccagaacacc tgatccctgc cgaatacgtg agcttcagtt agcgtttccg      180

gtaacttttg gtgtaaagtt ccggcaaga acattccgga agtcgcgccc accatcatca       240

ttacggaaag t                                                          251
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<210> 1885
<211> 498
<212> DNA
<213> Ctenocephalides felis

<400> 1885
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ggatatctgg cgtcatatgt ggttcccaag tatacaatgt atgggcctaa tactcctaat       60

gtatttgaaa ctatagttcc aatggaaatt cctgtctgcc tcaaacaggt tggatatgtt      120

tccattgctt gcagattcac aacataaaac gtgatgctta tgcaaaattt cattaccacg      180

gctaacagtg ggaccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa      240

gatgctgcca gagcaattcc aaaagaagct acagaggtcc aacgtcttcc tattctgtcg      300

ctggagaaac gtcctagtag atatgctggt aattctactg ccgattgata taaaaagttg      360

agaaatggat tacctcccat attgctcacg ttcaaaatta atgtaaaata cgtcacggaa      420

catacaatcc agcaaagcac aataagtgta gtatttctag ctaaacgtaa actagaaaat      480

aaactcatgg attccgta                                                   498
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<210> 1886
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>

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<221>   misc_feature
<222>   (55)..(56)
<223>   n = unknown

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<222>   (97)..(97)
<223>   n = unknown

<220>
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<222>   (175)..(175)
<223>   n = unknown

<220>
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<222>   (212)..(212)
<223>   n = unknown

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<221>   misc_feature
<222>   (450)..(450)
<223>   n = unknown

<400>   1886
tttttttttt ttttttttttt tttcaatttc ataaagcttc tatatttata tattnnaaat      60

aatcagaaat tactatagtt aatgacattt tgtttgngct ccttacataa aatacaattt     120

tatacatttt aattttttata catatttttt atatttaatt gcacagatca tttgngtatt    180

tattatatta attgactact ttatgataat tngaatccta attagtctat tcaagattgt     240

tttcctggtt taagccttac ttagcaatct cacttttgca ttcttcgccg ggtggcgtgg     300

gtatgcatcg caactccgtt ttatcaaagt gcaagccatt tggacaatca taatgttttta   360

tttgccattt gttgttaacc aagaaacatt gataatattt tttacaatct cttcgatcgg     420

aaaaaacgtt ttcactttttg catgcagttn tgcacgagaa agattttggg tcaaaccatt    480

cgttgcgtcg tcttcacatt                                                  500


<210>   1887
<211>   269
<212>   DNA
<213>   Ctenocephalides felis

<400>   1887
agatctacta atgccgcgtt taccactgtc acagcaattc cgcaaaccag caaccacaaa      60

tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg     120

catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct     180

attatgggaa atccaatcgc atatccagct tccaacatta agaatgcat aaatgcctgt      240

tcttccattg tgtctttaca ctcggtcgt                                       269
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<210>  1888
<211>  498
<212>  DNA
<213>  Ctenocephalides felis

<400>  1888
aaccacgagc attcctattg ttaatgtcgt gactgacgta gcatcgatct tcgtttatct      60

tgcagactgc cactttagct gccaattccg cagcagtgtt gcttgtgcag gtgtcatcat     120

tttcgttgca ttttacacat ttcaggggat catttttatt acataggtta ctattgcact     180

ttagacaaga cccagatgtt gcattttcgc attcttttct aatcgaatca gtttcaggta     240

aatcgaccaa acaacctttt tttgtttcag tgccgttaac atagatgtaa cacaatcctt     300

cacatttttt ttctcctccg tcatccgttg cacatgacgg gcgctcgaaa tccttattat     360

tgcatgtagc accgacacaa gttttgcaaa gagtattgcc atcgcagata tccttcgttg     420

cgcaccctcg attaacttta ccttttttcta gtttagcgta gcataattct ccattacata     480

tgctaacaat cttgcctt                                                    498


<210>  1889
<211>  500
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (54)..(55)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (72)..(72)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (76)..(76)
<223>  n = unknown

<400>  1889
ttcctttttt tttttttttt tttttttttt taacggccca aacgatttat tttnnttaaa      60

aagatacatg tnattncata aagcttctat atttatatat tttaaataat cagaaattac     120

tatagttaat gacattttgt ttgtgctcct tacataaaat acaattttat acattttaat     180

ttttatacat atttttttata tttaattgca cagatcattt gtgtatttat tatattaatt     240

gactacttta tgataatttg aatcctaatt agtctattca agattgtttt cctggtttaa     300
```

```
gccttactta gcaatctcac ttttgcattc ttcgccgggt ggcgtgggta tgcatcgcaa    360

ctccgtttta tcaaagtgca agccatttgg acaatcataa tgttttattt gccatttgtt    420

gttaaccaag aaacattgat aatatttttt acaatctctt cgatcggaaa aaacgttttc    480

acttttgcac gccagtctgc                                                500
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<210>  1890
<211>  331
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (85)..(85)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (88)..(88)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (93)..(94)
<223>  n = unknown

<220>
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<222>  (101)..(101)
<223>  n = unknown

<220>
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<222>  (109)..(109)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (112)..(112)
<223>  n = unknown

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<222>  (124)..(124)
<223>  n = unknown

<220>
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<222>  (190)..(190)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (308)..(308)
<223>  n = unknown
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<220>
<221> misc_feature
<222> (321)..(321)
<223> n = unknown

<400> 1890
ttttttttttt tttttttttt ttttttgat ttatttataa ataactttag gggtccgcca   60

ctaggggact tcccctaca tttanaantc cgnnttattt nttactttna antttatttt   120

cttnatttt atattaactc tatatctta tctatctatc tattacttca accaataaaa   180

ttaagcgtan aatgaataat tttgattaga acaaatatat tcatggattt aaaaaaatct   240

aaattgtaaa attcttaaat gccttatcat atttgcgagc ctgtgttcaa ccataatatt   300

tttttatnta acacataaag naaaacaaag t   331

<210> 1891
<211> 393
<212> DNA
<213> Ctenocephalides felis

<400> 1891
tggctgttta taggaattta attgagaaag tggaagatca acaggtggcc aaggagcatt   60

gcattgcaat ggtgcaaagc aaggtattga acaattatc catcctggaa caaagacgtt   120

cagatgatga ggatatcgtt gctgatgttg aatatttgac cgaaaaatta caagcttcca   180

ttcaagacct tagctcattt gatgaatatg ctacagaaat caagtccggc agattggaat   240

ggtcacctgt tcacaaatct gctaagttct ggagagagaa tgccccacgt ctcaatgaga   300

agaattatga gttattgcgt atattgatcc acttacttga aagctctcgt gatcccttg   360

ttctgtctgt agcctgcttt gatattggag agt   393

<210> 1892
<211> 492
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (62)..(62)
<223> n = unknown

<220>
<221> misc_feature
<222> (481)..(481)
<223> n = unknown

<220>
<221> misc_feature

<222> (483)..(483)
<223> n = unknown

<400> 1892
tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg   60

cntgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt   120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg   180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg   240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc   300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa   360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt   420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt   480

nanaaaaaaa aa   492

<210> 1893
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (2)..(2)
<223> n = unknown

<220>
<221> misc_feature
<222> (19)..(19)
<223> n = unknown

<220>
<221> misc_feature
<222> (87)..(87)
<223> n = unknown

<220>
<221> misc_feature
<222> (247)..(247)
<223> n = unknown

<220>
<221> misc_feature
<222> (497)..(497)
<223> n = unknown

<400> 1893
tnttcttttt ttttttttnt tttttttttt atcatttta atttatttca tcaactacat   60

tgaaattaaa caaataaaga actattnttc ttaaattaaa gggaaatttt acatcataca   120

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ttcaacatga atcaattcta aaattatgtg aataaccaaa attttaaacc attaacacaa      180

atatttttta ttcccactta acttattact tattaaaata ttacttggca agtatttta       240

tattttngga ttttttttagg tatattataa agacgccttt agttgttgcc ttatgaataa     300

aatacatatt tataatacat tcacatatta tatactaaac tattgagaag acttagacga      360

tttaatggaa ttaatatgaa ggaatttatt aatttaaatt ttataaatat aaaaaatttt      420

agggcttttt ttaagatatc ctatgttata ttataattcg tttttcattta cagatgtggc    480

atataggtat atttttngtt                                                  500
```

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<210>  1894
<211>  473
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (383)..(383)
<223>  n = unknown

<400>  1894
aaagcttcta tatttatata ttttaaataa tcagaaatta ctatagttaa tgacattttg      60

tttgtgctcc ttacataaaa tacaatttta tacattttaa tttttataca tattttttat      120

atttaattgc acagatcatt tgtgtattta ttatattaat tgactacttt atgataattt      180

gaatcctaat tagtctattc aagattgttt tcctggttta agccttactt agcaatctca      240

cttttgcatt cttcgccggg tggcgtgggt atgcatcgca actccgtttt atcaaagtgc      300

aagccatttg dacaatcata atgtttattt tgccatttgt tgttaaccaa gaaacattga      360

taatatttt tacaatctct tcnatcggaa aaaacgtttt cacttttgca tgcagttctg       420

cacgagaaag attttgggtc aaaccattcg ttgacgtcgt cttcacattt cag             473
```

```
<210>  1895
<211>  302
<212>  DNA
<213>  Ctenocephalides felis

<400>  1895
taaatgatgt tatagtctaa acagaagatt agtactaaaa aaaggccaaa cattaaaatg      60

gaataaaagc cataaaaatc acttcctttg cacatctagt cacacacttt gatccgaaag      120

ttgcccgaat cgtcagaatt tatgaatttt attataaatt cacaatgatc gcatcacata     180

aaattgtctt taaatctgtt tatcttgcag gaaaaatatc gcaaacacgt ttttttctgg      240

cttctaactc aatatttaac acacgtaaat tatcacaccg ttgggcaagc tgatggcctg     300
```

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gt   302


```
<210>  1896
<211>  399
<212>  DNA
<213>  Ctenocephalides felis

<400>  1896
atcgagaata tacccatgag gagaatgata tagcgaccgg agaaaaagat gttccaaatt      60

tcactgttga ttttttttggc acccaaactc ttttctctaa ctaccatgaa cagaccgaat     120

aacatcataa ttataccgtg gccaatatct ccaaacataa tgccgaacaa aaatggaaaa     180

gtaatgatgg tgtacagagc tggatttact tctctgtaac tagcaactcc gtaggcatct     240

atcaagtttt ggaaaccttg agtgaatttg ttagttctat taaaggttgg aggtgcttct     300

tcagtttcaa taacatttag gaaggattcg attgaacttc cacacgcgtt cgatccatca     360

gttaaggctt tttgaacaag ttgtagatca ttaactggt                            399


<210>  1897
<211>  339
<212>  DNA
<213>  Ctenocephalides felis

<400>  1897
cattctagag tatttggggga aagaagattg ttcgataaat caacaatttt agacaaacga      60

gaaattaagt aatattataa aaatagatat caatctttca tcttactaat ttgatattga     120

taaaaaacga agcaatacat agggtgtgtg gttgaggcgt ttcttttttt gttttatagt     180

agatgaattc taaaacatcc agaaaaataa tatatataaa tcagttaaaa aaatgttttt     240

tttcgcctat tcagtatcac aatatcccaa caatgcaata tatggttggc acccattcaa     300

aactaaagta tgacaagacg catagccaat tgaaaatgt                            339


<210>  1898
<211>  500
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (59)..(59)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (77)..(77)
<223>  n = unknown
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<223>  n = unknown

<220>
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<223>  n = unknown

<220>
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<222>  (435)..(435)
<223>  n = unknown

<220>
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<222>  (437)..(437)
<223>  n = unknown

<400>  1898
tttttttttt tttttttttt tttttcgttt aaaatacttt atttaataat tattacagnt      60

cagtttacat gcaggtncat ttacagtaca tttttttata aataaacgtg atttgcctag     120

cagtcttata aaatacagtt caacaattcc ttatacttat cagngctttc taaaataaca     180

tacataattt aaatcaaaat taaatacgag taacaaaagt agtaaacaaa tagaattagt     240

tctaatttac ttatacctaa actaattcag ataagttgag tagatcgcca ttttctttta     300

atttaataaa aaaaattatg atgtattaaa tatttcacat attgttttta aatgtttcag     360

atatcttata caagtttgtn cactattatt acaaagattt cgcttgtatg aatgaaattt     420

ttttaatcaa tattngngta tcatttttgc aataaaaaca tacgagttgc cagtaaccag     480

taaatgtaat ggcacacaaa                                                 500


<210>  1899
<211>  340
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (223)..(223)
<223>  n = unknown

<400>  1899
tttttttttt tttttttttt taattacaaa ggaacggccc aaacgattta tttttattaa      60

aaagatacat gtaatttcat aaagcttcta tatttatata ttttaaataa tcagaaatta     120

ctatagttaa tgacattttg tttgtgctcc ttacataaaa tacaatttta tacattttaa     180
```

```
tttttataca tattttttat atttaattgc acagatcatt tgngtattta ttatattaat    240

tgactacttt atgataattt gaatcctaat tagtctattc aagattgttt tcctggttta    300

agccttactt agcaatctca cttttgcatt cttcgccggg                          340
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```
<210>   1900
<211>   498
<212>   DNA
<213>   Ctenocephalides felis

<400>   1900
tttgttttc ttttaattga tgcttgctca tagaataatg taaattccgg gcaatctgta      60

gcggaaacca ggaaatataa tccagctaaa acttgacctt tggtatcacg tgccagtaat    120

gaacggaagt tgtatactaa attacgcctt actgtcacat ccactgcagt ataataaggt    180

ttatgcacat atactagaga taccactaga tttgtagttg ttcctccttc tttaatagtt    240

ctgtgttgtc gttcatgcca ttcaacataa tgagaagatt gagtgctata agcatagcaa    300

tattcgcgtt tgcttccacc tggcccttca tcacattgtg taaaccaacc cgtatgtgga    360

tatttttcat cagccattac tgtcactact cttgcgacgt gatatcctgg atcacaaagg    420

actacacctt ttcttccatt tatgcaaata cgaatagcaa ccataacgtg ttctttttct    480

aaggcgccgc ctggagcc                                                  498
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<210>   1901
<211>   386
<212>   DNA
<213>   Ctenocephalides felis

<400>   1901
atatatctta catcgaatct aataacaata aagagttatt aattttcatg tcgatgtttt      60

agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttctcaaag    120

tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct    180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca    240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat    300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac    360

tgccattgcc ctgagttgtg tagggt                                         386
```

```
<210>   1902
<211>   331
<212>   DNA
<213>   Ctenocephalides felis

<400>   1902
```

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aaataatact  acttacaagt  taacctatca  cgattattat  ataatttttt  tgtaaattac        60

aagttcttta  ctcgatgtca  cctcactgta  catatgaaac  aaagatgtga  cgctctttat       120

aaatttatca  ctaccttatc  tataatcata  tcacctcaca  taaatttcat  accatggttg       180

tatttacaaa  attcagacag  tagttgacag  agatgtattc  gaaatttgaa  tcattaaaca       240

aaaatatttt  gataaaattg  atatgtctct  ccttaaaaaa  aattgaattt  ctcatttata       300

attatttctt  gttctgggca  tatgtaatag  t                                       331
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<210>   1903
<211>   327
<212>   DNA
<213>   Ctenocephalides felis

<400>   1903
tacttcatgt  attaagcatt  ttgtatgaat  attatgtagt  cgatgtgtct  ctaatatatt        60

actgttgagc  aacatatttt  tatagataag  agtagatgta  ataattcatt  ttaagaattg       120

agttactaga  attattctat  tatgctgtat  tatatgttaa  tataactata  ttaaaagaaa       180

aattattaat  attaatgcat  cttttaataa  actgaaaaga  acagagaaaa  aaaaaaaaaa       240

aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa       300

aaaaaaaaaa  aaaaaaaaaa  aaaaaaa                                             327
```

```
<210>   1904
<211>   466
<212>   DNA
<213>   Ctenocephalides felis

<400>   1904
cactcgtgtt  cttttcccat  cttcattttg  actgcccaac  ataagtataa  tgtctttatc        60

ccctagattg  ctgcttgaaa  caacaactgt  atgcacatga  cggctatgaa  accattctgt       120

gcatttccat  gcatcgtcaa  tgttatgaat  tttgcaacca  gtgagcaact  ccacctcaaa       180

ttgatttgga  gtaacaatat  cagccaatgg  aataattaat  tctctataaa  ttggtaataa       240

tgattctgga  acatacattt  ttccattatc  acctaacact  ggatcgcaaa  cgtatgtcaa       300

ttttggattt  ttttctctca  attccttaac  gacgtttgca  attgttttaa  gaaatctgg       360

attagctaca  taacccgtta  ataaatgact  gtagacattg  ataccattca  atgctaaccc       420

ttctgccagc  tctcctaatt  ccttgtccgt  tagaacttgc  cctcgt                       466
```

```
<210>   1905
<211>   498
<212>   DNA
<213>   Ctenocephalides felis
```

<400> 1905

```
aaagatatag tttttaatt gcaacatatt ggctataatc ttgggttgtt gaaaatcaac      60

ttggtttgag ggataacacc actatagatt caaatactcg ccaatcacac aaaaacactt     120

ttaaattcct tctaccagaa aaaaaatgac aaaaagaaaa acacgttttt aaccagttac     180

agtagtgtta ctcctcaatc caatgaaatt ttatgcagtt ctgttacaaa attatatctg     240

ttgtaatatt taaaaaagtt aaacttttgc ttaaccaatg aaaataagat ctcaatagaa     300

gacttaaatt aaatatgata gtgatacatg agcatatgtt cataaatcaa ctttctgatt     360

gattttctat gataaatgca ttgactacac tattttactt actactacac gtcctttaca     420

gaatgcatat aaattaaaat atgcaatata tttatattca ttgagtgaaa accgatttgt     480

aagcaaaaca gcttacaa                                                   498
```

<210> 1906
<211> 498
<212> DNA
<213> Ctenocephalides felis

<400> 1906

```
ggatatctgg cgtcatatgt ggttcccaag tatacaatgt atgggcctaa tactcctaat      60

gcatttgaaa ctatagttcc aatggaaatt cctgtctgcc tcaaacaggt tggatatgtt     120

tccattgctt gcagattcac aacataaaac gtgatgctta tgcaaaattt cattaccacg     180

gctaacagtg ggaccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa     240

gatgctgcca gagcaattcc aaaagaagct acagaggtcc aacgtcttcc tattctgtcg     300

ctggagaaac gtcctagtag atatgctggt aattctactg ccgattgata taaaaagttg     360

agaaatggat tacctcccat attgctcacg ttcaaaatta atgtaaaata cgtcacggaa     420

catacaatcc agcaaagcac aataagtgta gtatttctag ctaaacgtaa actagaaaat     480

aaactcatga ttccgtaa                                                   498
```

<210> 1907
<211> 498
<212> DNA
<213> Ctenocephalides felis

<400> 1907

```
atctgtcaca gctccccata attctattat aaagtcatct gtaaatccaa atgcttctaa      60

gtcggatgaa tcgattgcct ctgcaaagtc catcgaatta ctttttccta cggcgtgttc     120

ccaaatttgt gtcgccaatt caacatcact gacacccata aacgaatcca atagtgtgtt     180

gatacgatct attcctagtt gaactttttc atcatgctta agtgtcttat aaactgttat     240
```

```
tgatgtctta taaatgactt tatagtccag tcatttaaac ttaaattagg taagaatctc    300

agaattcgag acacccatct gcacgtctgt aagtacttgt atattgacat ttaaaagttg    360

tcccaaaatc tacattttac catcatagaa gcattcacca ctcgacagag tagtcaatgc    420

tcagtttcag ccactgttgc cccttctgaa aatggaaatt gaattatttt ttaatataat    480

cgaatttata tcaacagc                                                  498
```

```
<210>    1908
<211>    420
<212>    DNA
<213>    Ctenocephalides felis

<400>    1908
ctgaattcca gatgtagtga agtaaggaat ctcaaatttc acttgtattg ggggtttttcc    60

ttccgtatct tcacattcca cacttggcaa tccaaaatgt gctctcatta ggtattcttt   120

accacctgga aatgatttta tggaccaagt aaatgcattc aaatcaggag catatttaac   180

acttccaatt gttgttttaa acttcgggga atctgcatca gctggtacag gaatcagtat   240

ctccacatta tttgcagttg accgtctttt aaattgtgac ttagctttga tcatgtattc   300

tacacggctg tgtgcgtgcc tttcaattac tgattcaatc catatcaagg gtttttacatg   360

tgtgttaagt cgataagaca ttaactcaaa ctctccatca ggaggaataa atgatatggt   420
```

```
<210>    1909
<211>    409
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (56)..(56)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (351)..(351)
<223>    n = unknown

<400>    1909
gcaatttatg acaatattat acaatggaca catccgaaag tataatgaat gtattnaaat    60

ataaattaaa gtgcgttttt actattttta ttttttatgt aaaaatattt aataaattat   120

taagtatttt tataaagatt attgtatgtt tggatttatg agcaataagt tctaatatag   180

ttcttaacca tacagtcact acatagccta aatcgtcctt ttgacaaaat aatactttca   240

caagcacttt tcacaaaatt cttacgagtc agttttattc gaagtgtcgc tgttcttacg   300
```

```
aataatatct acattgttcg cctttttttc ttggcgccta gtataagcca natcacttgt      360

tggaattgaa tttttagtga taacaatacg aggtttttct gtcattggt              409



<210>  1910
<211>  498
<212>  DNA
<213>  Ctenocephalides felis

<400>  1910
ttggaattct tgacgaaatt tgagaagaac tttatctcac agggtaatta tgagaaccgc      60

acagtatttg aatctttgga cattggctgg caattgttgc gtaccttccc caaggagatg      120

ttgaagagaa tacccgcttc caccctcgcc gagtttttacc cacgtgattc tcgtcattaa      180

aaatcttact aaagtttcca tcaataccat attttatttc cctttatatg atgtcttctc      240

catgtaaaga atattaaatc agtttttggg atgtctggta ctaaccacat ccttaatgta      300

aggaaaacat gaagacatgt tttaatgttt aaagaaattg tagatactta taaaataatg      360

attctattgt taaaatgaaa gtatgttgtt gtgaaacagt attctgccgt actagctaca      420

agttgttgaa atattatcaa attttattat tatatttgtt tttttctgta tgattttaaa      480

ttacattcca tgataatt                                        498



<210>  1911
<211>  498
<212>  DNA
<213>  Ctenocephalides felis

<400>  1911
gaacaatata gataccaaaa tcattttgaa cgagatggaa cttgcgcaag agctcacatg      60

gaatctttag ttgaaggaaa aataaaattc agacatgtca tgaaagaaaa tggagaaaaa      120

gttgaattta gtggacagct tagacgtgat gatgaacatt ccggtaatgg atatctgaga      180

atcagttatg aagatacaaa tcgagaatcg gattatatag tactaaaaag cgattttgat      240

aaatttgcta ttgtgtggag ctgcacaatt catccacgag gaaaatgga attagcttgg      300

attctcacac gtgagcaaaa cccatcatcg gaattgatga agaaattaa gacatatgtg      360

gaaaacaata cacccataga tttgagcaaa ctaaaacaca ccgagcaaaa ttgtggaaag      420

gattattgaa gataattgct gtatataaag tcattttaag acacagcttt atcaaaacac      480

aacaacatat gtttaaga                                        498



<210>  1912
<211>  118
<212>  DNA
```

<213> Ctenocephalides felis

<400> 1912
catcactgag aagaactctt cggctacgga atatcttcat tggaggcgcg ttgttggtgc   60

acgcagcatt aacaaggttc ttgcaattca gcataatgac cagaagaaaa atacaggt   118

<210> 1913
<211> 425
<212> DNA
<213> Ctenocephalides felis

<400> 1913
cttgcttgtg gaggcagcag tggattttgc tcaatataac caaaaacaat aattacaaac   60

ttttgtcaaa aacaagatca taactgttta tataatataa gaagttctta taataaaagt   120

gcagtattat ttttacatca atttaaacat cactaaaatc aaaacctaac ctcaaaattt   180

cactaagtga aaatgttgaa gactttattt aatcaaagtg tacgacaaaa cagcactaat   240

gcctccttag taagtacagt ttttcacaat agaaacccta gaaatttaga acgaatgagg   300

attgcttata aacctgatgg atggcatgta gataaacctg gacgctcatt ctggcacaaa   360

ttagagttaa ctgaaagctc tcgatatata actgcacgag tggtgcattg gaaggaaggc   420

cctgt   425

<210> 1914
<211> 470
<212> DNA
<213> Ctenocephalides felis

<400> 1914
cgatccacac tagaatctcg tgatggtggc cttttgtaat gatcgaaatg atctatagaa   60

ctttgttgaa ccaaactcgg tctttctccc acttgtcttg aatttctacg caaattcgta   120

ctgataaatt gcctgcaaga atgagtttca gggaacgaaa agaatcggcc aaatgcatgc   180

aaaaggttgc attaaatata caactagcag cagccagagt ttcaactgat gttggcatta   240

aagtaggaga agccctcagg aatgtcgtgg aacttcgttt agatttggga aaatgttctt   300

cagacaattt gaataaatgg gaatccagat tggaagaaat taatgatgtt gtggaaaatt   360

gcatcgtgtg aaattgtaac ttgaaataat ttttcttaac tattagtttt atagatgaac   420

aaatacataa tctaataaac cagcacgtga aaaaaaaaa aaaaaaaaaa   470

<210> 1915
<211> 498
<212> DNA
<213> Ctenocephalides felis

<400> 1915

```
tttacctgaa agtataaatg gtgctttccc agaattcctt tcccaaaagt aagccgtcaa      60

cgctgtaatt aaaacgatca aggcatttct tccagttgaa ataaaccata aggttctttt     120

taaaacagga ctggagactt tcaaatcttt tatttgcctt aatgttaaaa gaaaaactat     180

acagcataag gcaagtatag aatcagctaa tctcgcattt gatatccttt gtattagctg     240

catcaatgta tccacaaatc catgtcctgt ataatgcagc cctagcaaac cttttgcctg     300

cgcacaaata attattaacg acatcgcgga tgtaaaaccc gatacgattg gggcacttat     360

gaaatcgact aaaaatccaa gtttcagtaa tcccatcata agttcaatgc aaccagctaa     420

aaagcctagt aaaactacat attcgactgg tttttcatga caatattcca aaaccatcag     480

agcaactaaa cttgtggt                                                   498
```


<210> 1916
<211> 292
<212> DNA
<213> Ctenocephalides felis

<400> 1916

```
aaattataag ataccggaaa catttaaata aacgatatat gaatatttaa tacatcataa      60

aaaagaattt attaaattaa aagaaaatgg cgatctactc aatttatcta aaatagtttt     120

taggtgtaag aagattagaa ctaattctat ttgtttacta cttttgttac tcgtatttaa     180

ttttgattta aattatgtat gttattttag aaagcactga taagtataag gaattgttga     240

actgtatttt ataagactgc taggcaaatc acgtttattt ataaaaaaat gt            292
```


<210> 1917
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (58)..(59)
<223> n = unknown

<400> 1917

```
ataaaaaaaa tcacaataaa tagatagttt taacacctat caacttaaaa ttatgtgnna      60

caagcttaaa ctttgcgtat tatgtaaaat taaaatatac aaaaaatata ctttgagtaa     120

atatgttgtc aatgatatat cattgatata gaaggctttt tatcagcttt ttataaattt     180

cgataacaca gatattgata aataaattac atgtgacccg gcaatgcttg aggtccctgc     240

ataaatatat ttgaccccat tcgctgctga tattgcacac tttgttggga ttcatcgtta     300
```

```
ggattagaat ggcttgatgc aggtatggtt cccatgccat ttgtaatatg caatccattt    360

aaatgttgag acatttgatg tattaacata ggattagggc ctggttgtgg ttgtcctatt    420

ggttgaggat tattcgctag ggacatttga gaactgttct gaatcaattg catttgtggc    480

tgactttgat ttactatt                                                   498
```

```
<210>  1918
<211>  321
<212>  DNA
<213>  Ctenocephalides felis

<400>  1918
cgtggttttg gagtatctgt tcaaggtatc atcatctacc gtgcagcata ctttggattc     60

tatgacacca ctcgtggaat gttgccagac cccaagaaca ccccattagt tatcagctgg    120

gccattgcac aagccgtcac aactgttgct ggtattgtgt catatccatt cgacactgtc    180

cgtaggcgta tgatgatgca gtctggacgt gcaaagtctg aaatgttgta caagggaaca    240

ctgcactgct gggccaccat tgccaagaca gaaggaagtg gtgccttctt caagggagct    300

ttctccaata tcctccgtgg t                                              321
```

```
<210>  1919
<211>  330
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (134)..(134)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (171)..(171)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (178)..(178)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (311)..(311)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (328)..(328)
<223>  n = unknown
```

```
<220>
<221>  misc_feature
<222>  (330)..(330)
<223>  n = unknown

<400>  1919
aaaatggcat tatatgcaaa ttataggctg agcctttata aatctgtgaa tgaaccacac    60

cactctatct tctaacctaa agtgcaattt tgttttacag aatttcttta ataggtaata   120

tttttaattg cagngtatca tattatagtt tgtaggtgtt atattttatt ngtaaatngt   180

tgttcatatt tctcaaacga ttgtttatgt attacacagt attaaaataa accttggatg   240

caataattgt tataacaaca ttgttgttag taataaaatt ttatcagtgg attataatca   300

aaaaaaaaaa naaaaaaaaa aaaaaaanan                                     330


<210>  1920
<211>  313
<212>  DNA
<213>  Ctenocephalides felis

<400>  1920
aattcttggc tataagttcg ttgcatgttt tgcaagtgat ttgtttattg catttattcc    60

cgtggcatat tttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc   120

atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac   180

aaactttggt cttcgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt   240

tttgaacgtt acaacccgat ttctcgcaac acattttttc tcggttagtc gagtcacaac   300

tttctttaac cgt                                                       313


<210>  1921
<211>  118
<212>  DNA
<213>  Ctenocephalides felis

<400>  1921
ctgtattttt cttctggtca ttatgctgaa ttgcaagaac cttgttaatg ctgcgtgcac    60

caacaacgcg cctccaatga agatattccg tagccgaaga gttcttctca gtgatggt     118


<210>  1922
<211>  229
<212>  DNA
<213>  Ctenocephalides felis

<400>  1922
cgtggttttg gagtatctgt tcaaggtatc atcatctacc gtgcagcata ctttggattc    60

tatgacaccg ctcgtggaat gttgccagac cccaagaaca ccccattagt tatcagctgg   120
```

```
gccattgcac aagccgtcac aactgttgct ggtattgtgt catatccatt cgacactgtc    180

cgtaggcgta tgatgatgca gtctggacgt gcaaagtctg aaatgttgt               229
```

```
<210>  1923
<211>  313
<212>  DNA
<213>  Ctenocephalides felis
```

```
<400>  1923
aattcttggc tataagttcg ttgcatgttt tgcaagtgat ttgtttattg catttattcc     60

cgtggcatat tttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc    120

atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac    180

aaactttggt cttcgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt    240

tttgaacgtt acaacccgat ttctcgcaac acatttttttc tcggttagtc gagtcacaac   300

tttctttaac cgt                                                        313
```

```
<210>  1924
<211>  196
<212>  DNA
<213>  Ctenocephalides felis
```

```
<400>  1924
atcatacgcc tacggacagt gtcgaatgga tatgacacaa taccagcaac agttgtgacg     60

gcttgtgcaa tggcccagct gataactaat ggggtgttct tggggtctgg caacattcca    120

cgagcggtgt catagaatcc aaagtatgct gcacggtaga tgatgatacc ttgaacagat    180

actccaaaac cacggt                                                     196
```

```
<210>  1925
<211>  269
<212>  DNA
<213>  Ctenocephalides felis
```

```
<220>
<221>  misc_feature
<222>  (34)..(34)
<223>  n = unknown
```

```
<220>
<221>  misc_feature
<222>  (62)..(62)
<223>  n = unknown
```

```
<400>  1925
agatctacta atgccgcgtt taccactgtc acancaattc cgcaaaccag caaccacaaa     60

tntaaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg    120
```

```
catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct    180

attatgggaa atccaatcgc atatccagct tccaacatta aagaatgcat aaatgcctgt    240

tcttccattg tgtctttaca ctcggtcgt                                      269
```

```
<210>  1926
<211>  252
<212>  DNA
<213>  Ctenocephalides felis
```

```
<220>
<221>  misc_feature
<222>  (56)..(57)
<223>  n = unknown
```

```
<400>  1926
cttttggaaa accgcccagg tacaacattt cagactttgc acgtccagac tgcatnntta     60

tacgcctacg gacagtgtcg aatgggtatg acacaatacc agcaacagtt gtgacggctt    120

gtgcaatggc ccagctgata actaatgggg tgttcttggg gtctggcaac attccacgag    180

cggtgtcata gaatccaaag tatgctgcac ggtagatgat gataccttga acagatactc    240

caaaaccacg gt                                                        252
```

```
<210>  1927
<211>  386
<212>  DNA
<213>  Ctenocephalides felis
```

```
<220>
<221>  misc_feature
<222>  (284)..(284)
<223>  n = unknown
```

```
<220>
<221>  misc_feature
<222>  (340)..(340)
<223>  n = unknown
```

```
<400>  1927
atttatttcc aatttgcaaa tatggaaact accatcccta tattatatat aattgtatat     60

attcctgaat tgttttattt gaatttattt taaacacaaa ctttaattat attcaaataa    120

tgatggacgt gatttcatat atccctaaac tttggatcag agtttgagag aagcctagcc    180

atagtgtata gaaaattatg tgtaggtgta taattaagat tgtcaggagt caaatatata    240

aagcattgat acaaattata cattccaatt ttctgtaaac ccgngttctt tggttgatta    300

tggtttatat cacaatttat gaatcatgta aattaattgn aaatttgaaa tgtatctccg    360
```

atgtaaatgt attaaaaaaa aaaaaa   386

<210> 1928
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (11)..(11)
<223> n = unknown

<400> 1928
caataaatat ngaatttaca ggcttatgaa caccattaag agtaaacctc aatttgatca   60

cagcaccctt ctctcccaac tcaatttttct tcgtataccc catgtaattg atatgattag   120

ccctttcctc ttcctcgaaa taaacccaat tatgtagacc tgttacttca caattttttta 180

attcagctaa gaaaacatgc tcaaatgctg aactaccgat tttgccacct cctctggagt   240

ataaattaaa ccaaatcgtt ttcaataaat ccttatgagt ttggggatct ctagtcacaa   300

ttcccttttc aataaaaaaa ttcataagat gtcgcatcag gctggtggat aacattgcat   360

ctaacaaagc attttcttca tttctttctt gtgcagttac atgttcattt actgcagtat   420

ctaattcata attattaaat aatggtttca taagcgctat agttttaata tcaaaagctg   480

actgattcac aacaagca   498

<210> 1929
<211> 311
<212> DNA
<213> Ctenocephalides felis

<400> 1929
attttttgat ttatttataa ataactttag gtgtccgcca ctagggggact tcccccctaca   60

tttagaagtc cgtattattt cttacttta attttatttt cttcattttt atattaactc   120

tatatcttta tctatctatc tattagttca accaataaaa ttaagcgtaa aatgaataat   180

tttgattaga acaaatatat tcatggattt aaaaaaatct aaattgtaaa attcttaaat   240

gccttatcat atttgcgagc ctgtgttcaa ccataatatt tttttatata acacataaag   300

taaaacaaag t   311

<210> 1930
<211> 385
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (26)..(27)
<223> n = unknown

<400> 1930
ggtgggctaa tataggatac tttatnntta ccgtaggtcc aaattagttg acaaaattaa   60

actgagattt gtaataaaga ttgcaaacat tttcaaaaaa aaaaaaaaaa ttgaaaattt   120

tacgatttt ttcggaggag ggtaattttc aatatacggt ttcacagagg ggaaaggggga   180

tttcaaaaat tttcaaaaaa atcgattacg tgattaagtg acgtccccga gcacaaaact   240

tatggttcca aatatattta aaatattaaa agtccaaatg tccaaaatct gtattacaaa   300

tctgtcagtc tttttgcaat cctttatcaa atattatttt ccatcaaagc acacactttt   360

ttatacatgc attttccaaa tacgt   385

<210> 1931
<211> 282
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (1)..(1)
<223> n = unknown

<220>
<221> misc_feature
<222> (4)..(4)
<223> n = unknown

<220>
<221> misc_feature
<222> (38)..(38)
<223> n = unknown

<220>
<221> misc_feature
<222> (67)..(67)
<223> n = unknown

<220>
<221> misc_feature
<222> (233)..(233)
<223> n = unknown

<400> 1931
nctnggaatt cttgacgaaa ttcgagaaga actttatntc acagggtaat tatgagaacc   60

gcacagnatt tgaatctttg gacattggct ggcaattgtt gcgtatcttc cccaaggaga   120

tgttgaagag aatacccgct tccaccctcg ccgagtttta tccacgtgat tctcgccatt   180

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aaaaatctta ctaaagtttc catcaatacc atattttatt tcccttttata tgntggcctc      240

tccatgtaaa gaatattaaa tcaagttttt gggatgtctg gt                         282
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<210> 1932
<211> 279
<212> DNA
<213> Ctenocephalides felis

<400> 1932
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ttggaattct tgacgaaatt cgagaagaac tttatctcac agggtaatta tgagaaccgc       60

acagtatttg aatctttgga cattggctgg caattgttgc gtatcttccc caaggagatg      120

ttgaagagaa tacccgcttc caccctcgcc gagtttttatc cacgtgattc tcgccattaa      180

aaatcttact aaagtttcca tcaataccat attttatttc cctttatatg ttgtcctctc      240

catgtaaaga atattaaatc agttttttggg atgtctggt                            279
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<210> 1933
<211> 350
<212> DNA
<213> Ctenocephalides felis

<220>
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<220>
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<223> n = unknown

<400> 1933
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tagcttttgc tctttganta cttctactct ggcgcattaa cttttattca actagattaa       60

attnntggtt tacttcctat gcctcacatc agtgtccttc atgtgatcag gagtattttt      120

tcgatctgga ctttgatctg tatcactctc ctccatttca gctttgttgc gtttcttttc      180

ataaatgaga ataatcgcgc ataaaattat tacttcagca cagataccca aaaatggcca      240

caaagcagct aatttatctt gaactcgaac caaggttgta gaattaacag taattccaat      300

gccttgatta gtagcaatac atgtatattc tcctcgatcg cttttttttcag              350
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<210> 1934
<211> 397
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222>  (14)..(14)
<223>  n = unknown

<400>  1934
aatccgaggg attncaactg ttttcggtgc ctcatccttg gcggtcttgg ttgaagcctc    60

tgtcggagat aaagctaatt tattttttcat tgcttctttc catgcctgtt gttgctgaaa   120

caaaatattc ctaataatag tcatccagga cgatctttca tcgccacttg agcattttat   180

atggaaaatt ctagatttat tttctgaact cgtcagggta aatgcatata aagacttctg   240

acattcgaca ggtggtaaaa ttctatccag atatatagtc tttgcaggta aaaaactctt   300

cattgttcac aatagtaggt tcaagtaaac agtattaaat tctcgaacag aaaaatctga   360

tatttcaaac ttctttttatt gactatggct ttgctgg                           397


<210>  1935
<211>  424
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<223>  n = unknown

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<222>  (57)..(58)
<223>  n = unknown

<220>
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<222>  (189)..(189)
<223>  n = unknown

<220>
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<222>  (220)..(220)
<223>  n = unknown

<400>  1935
tttttttttt tttttttttt ngagtttttta tttttatttt catattgtgc cctangnnag   60

atttatactt aaaacaataa aaaatgcgtt ttattaaaag ttgcaagcag ttaaataaaa   120

tgttgaataa ataatagtga taaatcattg cataatgatg caactcataa ttattaagta   180
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aattgtctnt aacaactact acattatcag atctatccgn cacttcttaa tattcaataa      240

tattatggat atcaggcctc ttatcacttt atagattttt aattaatcta tttaatatta      300

aataaaaaat aaatttaaaa ccattaaacc gatacattgc ctttaaatga aataaatcac      360

cataaccttt attaagcttg tatgtaatat gcaatagcaa tttcatataa cacactcact      420

aggt                                                                   424
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<210>  1936
<211>  498
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<220>
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<222>  (35)..(35)
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<223>  n = unknown

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<222>  (66)..(66)
<223>  n = unknown

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<223> n = unknown

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<400> 1936
aanctgcctg caagaatgag tttnaggttt ncggnccaaa cgatntattg cntattaaag   60

gggatncatg taatttcata aagcttctat atttatatat tttaaataat cagaaattac   120

tatagntaat gacattttgn tngtgctcct tacataaaat acaattttat acattttaat   180

ntttatacat attttttata tttaattgca cagatcattt gtgtatttat tatattaatt   240

gactacttta tgataatttg aatcctaatt agtctattca agattgtttt cctggtttaa   300

gccttactta gcaatctcac ttttgcattc ttcgccgggt ggcgtgggta tgcatcgcaa   360

ctccgtttta tcaaagtgca agccatttgg acaatcataa tgttttattt gccatttgtt   420

gttaaccaag aaacattgat aatatttttt tacaatctct tcgatcggaa aaaaccgttt   480

nacttttgca tgccgtct   498

<210> 1937
<211> 353
<212> DNA
<213> Ctenocephalides felis

<400> 1937
tgataaattg cctgcaagaa tgagtttcag ggaacgaaaa gaatcggcca aatgcatgca   60

aaaggttgca ttaaatatac aactagcagc agccagagtt tcaactgatg ttggcattaa   120

agtaggagaa gccctcagga atgtcgtgga acttcgttta gatttgggaa aatgttcttc   180

agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg   240

catcgtgtga aattgtaact tgaaataatt tttcttaact attagtttta tagatgaaca   300

aatacataat ctaataaacc agcaagcaaa aaaaaaaaaa aaaaaaaaaa aaa   353

<210> 1938
<211> 446

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<212>   DNA
<213>   Ctenocephalides felis


<220>
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<222>   (205)..(205)
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<222>   (422)..(422)
<223>   n = unknown

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<222>   (430)..(430)
<223>   n = unknown

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<222>   (434)..(434)
<223>   n = unknown

<400>   1938
ggttcattca agacagagtt tggcttaaat tnattgaaca gttcagagat gcacaggctt      60

gtnttgaata tgaaaaccaa caataaactt ggaaaaaaat attttgaata caaagttaaa     120

cgtgctgatc ctgaattaaa aaaaggctgt gataaaacct gtcttaaaaa tcatttgtgc     180

gcaatagtta ccacagttgt atcanatctc atccagtgca aaaatatcat caaatcatca     240

tcaagcattc ttcagcattt gaatatatat gtcctaggag ctattgtaat ttccaattat     300

ttattattat aaagtcattt ttgttaagtt attataaatt tagaataaat cattatgttg     360

gaaatatgta acgctttga aaaagctagg atcaaatcaa atattttag aaaaatncga       420

anaataaaan aaanaaaaaa aaaaaa                                          446


<210>   1939
<211>   373
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<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (26)..(26)
<223>  n = unknown

<220>
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<222>  (28)..(28)
<223>  n = unknown

<400>  1939
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tcatccactg tgatggagaa tgaagaatta actcttgacc caaaaacaga tgctggagaa   120

gcatatccta ttggtttaga tccaatgtgg cagctggcta ccaacaaaat tattttcttg   180

aactccttta aaatgaagtt gtctatcatt ttcggcgtcg ttcacatgat ttttggagtt   240

tgcatggccg tattcaatca cgttcatttc cgccagaaga tcagcatatt agtagaattt   300

ttgccccaat tggtcttctt agttcttctc tttgcttaca tggtgttcat gatgtttatt   360

aaatggattt tgt                                                      373


<210>  1940
<211>  395
<212>  DNA
<213>  Ctenocephalides felis

<400>  1940
atattatatt cacaataatc taatcttcca agttgcggaa tgcttgctgt aaatcctcat    60

gtaattgatc aaaatcactc ttgatctttg cctcaccatc cttgactggg tccttgaact   120

tcattgagga caactgatat agaatattgc ccatagcatc tctaatggta ttccaggtaa   180

tcttgttttc actttgtgca gtagattcag ctgcgtattt tgccatatca tagaaagcaa   240

taatgttacg taacatacca actgttttat agaaggggca gaaacgatca tatgatgagt   300

agctgttctg ctgtaggaaa tcgtctttca agagcttggc aacttcaagt gtgatcttgt   360

cagtttccgc caaggaggct ttaccaacca attgt                              395


<210>  1941
<211>  498
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<222>   (392)..(392)
<223>   n = unknown

<220>
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<222>   (434)..(434)
<223>   n = unknown

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<223>   n = unknown

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<222>   (446)..(446)
<223>   n = unknown

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<222>   (466)..(466)
<223>   n = unknown

<220>
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<222>   (485)..(485)
<223>   n = unknown

<400>   1941
taatgtcgta gaaggtgaaa aactgcgagt tgtttgcaca gttgtaggca aacctacacc   60

aacggtgtca tggaaagtta ttaatgaggc ttatgacgaa tcatccgatc gaatcaaatt   120

gttagatcat gacaatatac caaattctgc tttggaaatt gatttggctg aaaaaagcga   180

tcgaggagaa tatacatgta ttgctactaa tcaaggcatt ggaattactg ttaattctac   240

aaccttggtt cgagttcaag ataaattagc tgctttgtgg ccattttttgg gtatctgtgc   300

tgaagtaata attttatgcg cgattattct catttatgaa aagaaacgca acaaagctga   360

aatggaggag agtgatacag atcaaagtcc anatcgaaaa aatcttctga tcacatgaag   420

gacactgatg tgangcatan gaagtnaacc aaaaatttaa tctagntgaa taaaagtcat   480

gcccngagtg gaagtaat   498

<210>   1942
<211>   426
<212>   DNA
<213>   Ctenocephalides felis

<400>   1942
ccaatggaaa ttcctgtcta cctcaaactg gttggatatg tttccattgc ttgcagattc   60

acaacataaa acgtaatgct tatgcaaaat ttcattacca cggctaacag tgataccaaa   120

ttctggaggg attcatcatt ggcaatgcat ataagaatgg aagatgctgc cagagcaatt   180

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ccaaaagaag ctacagaggt ccaacgtctt cctattctgt cgctggagaa acgtcctagt    240

agatatgctg gtaattctac tgccgattga tataaaaagt tgagaaatgg attacctccc    300

atattgctca cgttcaaaat taatgtaaaa tacgtcacgg aacatacaat ccagcaaagc    360

acaataagtg tagtatttct agctaaacgt aaactagaaa ataaactcat gattccgtaa    420

actttt                                                              426
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<210>   1943
<211>   281
<212>   DNA
<213>   Ctenocephalides felis


<220>
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<222>   (28)..(28)
<223>   n = unknown

<400>   1943
acaaaattca attcaattta ttcaatgnta atcatgtgtt ttcgtttttt atattataat    60

tattcaagaa gcgtaattta ttttttttat gaaaacattt tataaatgtg gagcaacaaa   120

gttttattgc agtttctaac gcgagtggtc aaaaaaagtt gcaaataccc aaatttcaag   180

attttgatat gaaattattc aataattaaa tatcttataa aagggcggag ctaaatcata   240

aaaaaaaatt aaatatcatg ttaaaatttt gcatggtttg t                       281
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<210>   1944
<211>   475
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (14)..(14)
<223>   n = unknown

<220>
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<223>   n = unknown

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<223>   n = unknown

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<222>   (58)..(58)
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<223> n = unknown

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<222> (86)..(86)
<223> n = unknown

<220>
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<222> (473)..(473)
<223> n = unknown

<400> 1944
tggacaacca ttcnaaattc caaaaggaaa tntactattg aatgattaaa tgtnatanat   60

taatcaaatt ttagatgatt aaaatngttc tattactaca atagcaacct ctgcctgaaa   120

attaaccgaa caaacttcta acatccttat taatgtatag attttgaata ataacataga   180

aattatacta ttttttttgat gactctaata aaaaaaatgt ataaatggcc atgcctgata   240

tattttttgat aaccttaatg aaaaaatgtt taaatggcca tgtctgaaaa gatttctatg   300

tgtatttttt tgttaacatt ttattgttga atggataaaa gataaataca attttataag   360

ctgtttggat aaattaattt tgaataaatc cataatcata gaatatgtta agtagcaaat   420

taaaatatgg accacaaacc acaaaatgta tacgaaatat aacttatatg atntt   475

<210> 1945
<211> 204
<212> DNA
<213> Ctenocephalides felis

<400> 1945
cagttaatga tctacaactt gttcaaaaag ccttaactga tggatcgaac gcgtgtggaa   60

gttcaatcga atccttccta aatgttattg aaactgaaga agcacctcca acctttaata   120

gaactaacaa attcactcaa ggtttccaaa acttgataga tgcctacgga gttgctagtt   180

acagagaagt aaatccagct ctgt   204

<210> 1946
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
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<223> n = unknown

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<222> (316)..(316)

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<223>  n = unknown

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<223>  n = unknown

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<223>  n = unknown

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<220>
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<223>  n = unknown

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<223>  n = unknown

<400>  1946
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tgaatgatta aatgtaatag attaatcaaa ttttagatga ttaaaattgt tctattacta     120

caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat     180

agattttgaa taataacata gaaattatac tatnttttg atgactctaa taaaaaaaat      240

gtataaatgg ccatgcctga tatattttg ataaccttaa tgaaaaaatg tttaaatggc      300

catgactgaa aagatnctat gtgtattntt ttgncaacat ttattggtga atgggataaa     360

anataaatcc anttataagc tgtttggata aattaatttg natnaatcca taatcttaga     420

attggtaagg tanccaaatt aaatttggnc ncaancacaa aanntttccn aatttacctt     480

tttgattttt gngganat                                                    498


<210>  1947
<211>  498
<212>  DNA
<213>  Ctenocephalides felis

<400>  1947
gaggagactt tgtttaccgt aatggacaac cattcgaaat tccaaaagga aatttactat      60

tgaatgatta aatgtaatag attaatcaaa ttttagatga ttaaaattgt tctattacta     120

caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat     180

agattttgaa taataacata gaaattatac tattttttg atgactctaa taaaaaaaat      240

gtataaatgg ccatgcctga tatattttg ataaccttaa tgaaaaaatg tttaaatggc      300

catgtctgaa aagatttcta tgtgtatttt tttgttaaca ttttattgtt gaatggataa     360

aagataaata caattttata agctgtttgg ataaattaat tttgaataaa tccataatca     420

tagaatatgt taagtagcaa attaaaatat ggaccacaaa ccacaaaatg tatacgaaat     480

ataacttata tgatatac                                                    498


<210>  1948
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<211> 235
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (27)..(27)
<223> n = unknown

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<222> (99)..(99)
<223> n = unknown

<220>
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<222> (106)..(106)
<223> n = unknown

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<222> (109)..(109)
<223> n = unknown

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<222> (158)..(158)
<223> n = unknown

<400> 1948
tgaatcctaa ttagtctatt caagatngtt ttcctggttt aagccttact taggcaatct   60

cacttttgca ttcttcgccg ggtggcgtgg gtatgcatng caactncgnt ttatnaaagt   120

gcaagccatt tggacaatca taatgtgtta tttgccantt gttggtaacc aagaaacatt   180

gataatattt tttacaatct cttcgatcgg aaaaaacgct ttcacttttg catgc   235

<210> 1949
<211> 269
<212> DNA
<213> Ctenocephalides felis

<400> 1949
agatctacta atgccgcgtt taccactgtc acagcaattc cgcaaaccag caaccacaaa   60

tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg   120

catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct   180

attatgggaa atccaatcgc atatccagct tccaacatta agaatgcat aaatgcctgt   240

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tcttccattg tgtctttaca ctcggtcgt   269

<210> 1950
<211> 446
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (34)..(34)
<223> n = unknown

<220>
<221> misc_feature
<222> (64)..(64)
<223> n = unknown

<220>
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<222> (437)..(437)
<223> n = unknown

<400> 1950
ttggtccaac tgtttggcat ttgtggatat attnaaaatc agccaatgct aatttttttt   60

cggngttaca ttggcatttg ctacagcaca gattttttta gtcactgata tcttatttgc   120

ctatattaaa agagaatata ccttgaagag tggcttgaaa cgaatattga aaggcaaacc   180

tgcaaaatta gctttagaat aattttatta taatgtttga attgaaatgt atttgaattt   240

aaatatgagt taagttttaa ataaaagctt ttttattttt acattataat attatgccat   300

tagcctatat tgttacacag ttaaatttaa atgtatttaa taaatgggtt tacaactaaa   360

caaatcacaa acacacataa atataataaa aactggatga aaataattga atatatatat   420

aaatagtaaa aaaaaanaaa caaaaa   446

<210> 1951
<211> 297
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (35)..(35)
<223> n = unknown

<220>
<221> misc_feature
<222> (53)..(53)
<223> n = unknown

<220>

<221> misc_feature
<222> (164)..(164)
<223> ·n = unknown

<400> 1951
ctacaggatt ccttaaccgg atctgctcct atttncggac aatactgcat ttngggtgaa   60

ctgcacgaat tcacgcaact aaattttact tttttacatt tttgctcggg tttcggtaca   120

ggtgtaggtt caggagtagg tactactcct ggtgcgggct catncaatga cgcaaatact   180

tctttatttta ctgttaaagg cgttccgtcg acattaaact caccatcata agcggtaacg   240

acagataacg ccacaaaact aataaaaacc aatgtgatat aaaacattct aataaat   297

<210> 1952
<211> 498
<212> DNA
<213> Ctenocephalides felis

<400> 1952
tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg   60

catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt   120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg   180

ataaaacgga gttgcgatgc atacccacgc cgcccggcga agaatgcaaa agtgagattg   240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc   300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa   360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt   420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt   480

catgtatctt tttaataa   498

<210> 1953
<211> 269
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (30)..(30)
<223> n = unknown

<400> 1953
agatctacta atgccgcgtt taccactgtn acagcaattc cgcaaaccag caaccacaaa   60

tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg   120

catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct   180

```
attatgggaa atccaatcgc atatccagct tccaacatta aagaatgcat aaatgcctgt      240

tcttccattg tgtctttaca ctcggtcgt                                        269
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<210>  1954
<211>  498
<212>  DNA
<213>  Ctenocephalides felis
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<220>
<221>  misc_feature
<222>  (34)..(34)
<223>  n = unknown
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<400>  1954
taccttttgc taccgatgct caagggcgat aacngaccca cagccaggcg tccaaaatgc       60

ttgctcgtcc gcaacgacat agtcgttttg caagatttat ccatgtataa ttttcgccat      120

tcgtatccaa aattctcttt ggatcttgat catgttaaag ttgctttaac ggcattggct      180

cgtatgcatg caagttgcat tatctacgag aagaaaaaaa attgttgcat ggggagagtt      240

tacaaagatc ttatgttcga gactatggcc aacaataatc aatggtggag aactggtgag      300

gatactgctt tagcaattgc tgaggaatct gagaaattcg gcaaatatac cgaataccat      360

tccatggtcc aggagaagtt aattgatttc ctgagattgg catggtctat ggtaaaacca      420

tcgcgcattt ataagaatgt ggtatgccac cgcgatacgc gcaatcacaa tttgatgttc      480

aaatataatt caactggt                                                    498
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<210>  1955
<211>  497
<212>  DNA
<213>  Ctenocephalides felis
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<220>
<221>  misc_feature
<222>  (29)..(30)
<223>  n = unknown
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<220>
<221>  misc_feature
<222>  (37)..(37)
<223>  n = unknown
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<221>  misc_feature
<222>  (46)..(46)
<223>  n = unknown
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<220>
<221>  misc_feature
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<222>  (58)..(58)
<223>  n = unknown

<220>
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<222>  (148)..(148)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (235)..(235)
<223>  n = unknown

<220>
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<222>  (250)..(250)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (254)..(254)
<223>  n = unknown

<220>
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<222>  (268)..(268)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (276)..(276)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (279)..(279)
<223>  n = unknown

<220>
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<222>  (313)..(313)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (320)..(321)
<223>  n = unknown

<400>  1955
tttttttttt tttttttttt tttttttttnn ataaagnatt tattgntttt ttacaggnat      60

aaataaaatt tcttaactta atagcgcaag aagcatattg tataaaaaaa gcttttgtat     120

aaagttctta tttttatttt catattgngc cctaataaga tttatactta aaacaataaa     180

aaatgcgttt tattaaaagt tgcaagcagt taaataaaat gctgaataaa taatngtgat     240

aaatcattgn atantgatgc aactcatnat tattancgna aattggctat aacaactact     300
```

```
acattatcag atntatccgn nacttcttaa tattcaataa tattatggat atcaggcctc    360

ttatcacttt atagattttt aattaatcta tttaatatta aataaaaaat aaatttaaaa    420

ccattaaacc gatcattgcc tttaaatgaa ataaatcacc ataacctta ttaagcttgt    480

atgtaatatg caatagg                                                    497
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<210>   1956
<211>   498
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (57)..(57)
<223>   n = unknown

<400>   1956
attattcata agacatcaaa gactttatta cataagggac aacatagtaa ttaaagntac     60

agaaacaatg cagagtcaat acttcgattg cttataggaa ttcatggagg tcgaagaaat    120

ttctagtata tttttgattt caaattttaa tactcagtta atggtatgaa tgctaagtct    180

ctctctactt tattcatata tgacaatatt gcacatttgt gcacgaaacc ttgagttgaa    240

tttttcagag atagttatgc atgaaatgtt gaataccagt atttgctcca acggccttcc    300

tgcatgcgtc tatatggaag ctatgaactc attttaaagt tgaagatttt atggaattaa    360

ttataagagc ataatgactc tgagtttgag gaacttgctt atgtttaact aaatcatttg    420

tcaacaacat ttaaagtcgg aactgttcac aactggaaac aggatatctg catttataat    480

actttaataa taattgca                                                   498
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<210>   1957
<211>   498
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (30)..(31)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (59)..(60)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (344)..(344)
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<223> n = unknown

<220>
<221> misc_feature
<222> (487)..(487)
<223> n = unknown

<400> 1957
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tagtctaaat gtttattttg tttctttctn nagttaatca atatttgaca ttttatatnn     60

taatattgaa taatttaatt tttattattt ggctctcgga taatcggtca ataaaaaaaa    120

aaatatgaat gaatgatatt taacacgcat attattatta tactatttgt tctttgagtg    180

tgtatgatgc tccgtgttat tattttgaac tcgactccat tcggagtcta tgcaaaggca    240

tatatatgtg agtgtgtgta agaatatttt tcaaagatta tatttgcttt acttttttaat   300

agataatatt atatttttgt taatgttaat gactatatta tggntatttt gttctttttg    360

agctctattt atgaaatttt atgctgagac aaaattgccg gtagtattaa gtgtgcattc    420

atgccataac tccaaacttt tgttagaata attcacaatt ttatgtcaga ggtattatat    480

agggtgnaaa acaattta                                                  498
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<210> 1958
<211> 331
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (54)..(54)
<223> n = unknown

<400> 1958
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tttttttttt tttttttttt ttttttttgat ttatttataa ataactttag gtgnccgcca    60

ctaggggact tccccctaca tttagaagtc cgtattattt cttacttta attttattttt   120

cttcattttt atattaactc tatatcttta tctatctatc tattagttca accaataaaa    180

ttaagcgtaa aatgaataat tttgattaga acaaatatat tcatggattt aaaaaaatct    240

aaattgtaaa attcttaaat gccttatcat atttgcgagc ctgtgttcaa ccataatatt    300

ttttttatata acacataaag taaaacaaag t                                  331
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<210> 1959
<211> 330
<212> DNA
<213> Ctenocephalides felis

<220>

<221>   misc_feature
<222>   (58)..(58)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (84)..(84)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (92)..(92)
<223>   n = unknown

<400>   1959
tttttttttt tttttttttt tttttttttt ttatttataa ataactttag gtgtccgngc   60

taggggactt ccccctacat ttanaagtcc gnattatttc ttacttttaa ttttattttc   120

ttcatttta tattaactct atatctttat ctatctatct attagttcaa ccaataaaat   180

taagcgtaaa atgaataatt ttgattagaa caaatatatt catggatttta aaaaaatcta   240

aattgtaaaa ttcttaaatg ccttatcata tttgcgagcc tgtgttcaac cataatattt   300

ttttatataa cacataaagt aaaacaaagt   330

<210>   1960
<211>   261
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (59)..(59)
<223>   n = unknown

<400>   1960
tctcggtgga atcgatttct gtagtttctt tgcaaactga caatattaga gccaataant   60

atttcttaga aacatcaaca gcccacgtag tctgtgcaag attggtagtt ggtatatccg   120

taatgataat ctgaggttgt tgctggttta ccgattgttg ctggtttatc gattgttgct   180

ggtttagcaa ttgctgctgt tgccagagaa attttgttc ctgaactttt tggtattgtc   240

gcaactgctg ttgatgtaag t   261

<210>   1961
<211>   131
<212>   DNA
<213>   Ctenocephalides felis

<400>   1961
cttttgcatg taggatccaa tggatcgcga atattccaa ctcttggaca aatgaatggt   60

tgctgccaaa tacgaacgct gctggaattt gtttcaactg gaattagttc ttgagactcc   120

aaagacaatg t   131

<210> 1962
<211> 261
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (28)..(29)
<223> n = unknown

<400> 1962
tctcggtgga atcgatttct gtagtttnnt cgcaaactga caatattaga gccaataaat   60

atttcttaga aacatcaaca gcccacgtag tctgtgcaag attggtagtt ggtatatccg   120

taatgataat ctgaggttgt tgctggttta ccgattgttg ctggtttatc gattgttgct   180

ggtttagcaa ttgctgctgt tgccagagaa atttttgttc ctgaactttt tggtattgtc   240

gcaactgctg ttgatgtaag t   261

<210> 1963
<211> 486
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (29)..(29)
<223> n = unknown

<220>
<221> misc_feature
<222> (59)..(59)
<223> n = unknown

<400> 1963
tgaaatgtga agacgacgtc aacgaatgnt ttgacccaaa atctttctcg tgcagaacng   60

catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt   120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg   180

ataaaacgga gttgcgatgc atacccacgc cacccggcga gaatgcaaa agtgagattg   240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc   300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa   360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt   420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaagt   480

aaaaaa   486

<210>   1964
<211>   500
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (124)..(124)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (126)..(126)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (149)..(149)
<223>   n = unknown

<400>   1964
tttttttttt tttttttggg cccaaacgat ttatttttat taaaaagata catgtaattt   60

cataaagctt ctatatttat atattttaaa taatcagaaa ttactatagt taatgacatt   120

ttgntngtgc tccttacata aaatacaant ttatacattt taatttttat acatattttt   180

tatatttaat tgcacagatc atttgtgtat ttattatatt aattgactac tttatgataa   240

tttgaatcct aattagtcta ttcaagattg ttttcctggt ttaagcctta cttagcaatc   300

tcacttttgc attcttcgcc gggtggcgtg ggtatgcatc gcaactccgt tttatcaaag   360

tgcaagccat ttggacaatc ataatgtttt atttgccatt tgttgttaac caagaaacat   420

tgataatatt ttttacaatc tcttcgatcg aaaaaacgt tttcactttt gcatgcagtt   480

ctgcccgaga aagatttggg   500

<210>   1965
<211>   167
<212>   DNA
<213>   Ctenocephalides felis

<400>   1965
aatgcaatag atagtttttg tcaattgatt taatcgctta ggagcgcact gatactcaca   60

gaatcctcta tatccacttg gctcaatctc atttaactgt caccaatttt aaatcaaatc   120

agcaacattc attggcatct catcgatgtg tgtattgtag aattgct   167

```
<210>  1966
<211>  498
<212>  DNA
<213>  Ctenocephalides felis

<400>  1966
gaggagactt tgtttaccgt aatggacaac cattcgaaat tccaaaagga aatttactat      60

tgaatgatta aatgtaatag attaatcaaa ttttagatga ttaaaattgt tctattacta     120

caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat     180

agattttgaa taataacata gaaattatac tatttttttg atgactctaa taaaaaaaat     240

gtataaatgg ccatgcctga tatattttg ataaccttaa tgaaaaaatg tttaaatggc      300

catgtctgaa aagatttcta tgtgtatttt tttgttaaca ttttattgtt gaatggataa     360

aagataaata caattttata agctgtttgg ataaattaat tttgaataaa tccataatca     420

tagaatatgt taagtagcaa attaaaatat ggaccacaaa ccacaaaatg tatacgaaat     480

ataacttata tgatatat                                                    498
```

```
<210>  1967
<211>  498
<212>  DNA
<213>  Ctenocephalides felis

<220>
<221>  misc_feature
<222>  (33)..(34)
<223>  n = unknown

<400>  1967
aacatttcag actttgcacg tccagactgc atnntcatac gcctacggac agtgtcgaat      60

ggatatgaca caataccagc aacagttgtg acggcttgtg caatggccca gctgataact     120

aatggggtgt tcttggggtc tggcaacatt ccgcgagcgg tgtcatagaa tccaaagtat     180

gctgcacggt agatgatgat accttgaaca gatactccaa aaccacggta caatccaggg     240

agaccatcag gcttgaagat tttggtcaag cagttgccca atccagagaa ttcacgttga     300

ccagcgcctt tacctacatc agcggccaat ctggtacggg cgaaatcaag tgggtagacg     360

aagcacaatg atgtggctcc agcagcacca ccagatgcca gtttcctgc gaagtaacgc      420

cagaattggg tcttcttgtc aactccaccc aagaaaactt gcttgtactt gtctttgaat     480

gcgaagttca aagcctga                                                    498
```

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<210>  1968
<211>  498
<212>  DNA
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<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (26)..(26)
<223> n = unknown

<400> 1968
agaaatatga taatatgttc aaaatnaaaa tgataaaaat aaatgagtgg attatcaaaa   60

caggatatta aacataatag aaattttttt tgaaagttat ggaaatttt taagaaaagg   120

ttaatgacaa agttgaatta attacctgta tgtttgaata tttgttagca cttttgcact   180

aaacaagctt ttttaacaaa aatgattttg tgagttaatt ttccgccgaa taattagatt   240

ttgtaaatac aaaattacta aaaatttgt cttttttaaa attattattt gaaaacacga   300

ataatattgt tctctggatg ttgttcgatt ggttttcgaa aattaactaa atgaaactgg   360

tgtgcccttt gtaacacgtg taaacacttg aacgagagat gtgagattgt atgtgtgtgt   420

ttttatatgt cagggtgtga atacttaaat tgttgatctt aaaaggaagt cgatattaat   480

tgttgtcaaa aagtgtaa   498

<210> 1969
<211> 442
<212> DNA
<213> Ctenocephalides felis

<400> 1969
cggaagtgtg agctggcaca tttgacttaa ctttagtttt atcttcatac tcaattatat   60

tttcttttac catttctcca gcagaaggtg tcacattctg tgtttctaaa tttgtatttt   120

gataatcatc actaaatcta tttcgggatc gagaccgcga tctgcttctt ctacctctta   180

attctttcct tgtaacaaac tccaaaaatc cttcagaatc tggcatcaca acaggttctt   240

caggttgtga atccgcttct tgcacgcata attggaaaat tggttgtgtt ttgggtgttc   300

cagctgaatg ttttttcaaaa atattcgatt ccgtgatttg tggcacttga gaaggcaatt   360

cgctattagc tttgatacca acaatagacg cccatgatgt cagttttggt tgttcagtag   420

actcacatag cggttgttca gt   442

<210> 1970
<211> 463
<212> DNA
<213> Ctenocephalides felis

<400> 1970
gaaagctact agagaggtgt catttccacc agtgggatcg agaaataatc gcacaattag   60

```
ctgtgttcgt gccctggacc aatatgtaaa tggccaagga ggctatgcca ctcttgtcaa      120

tggtggagtt ggctggaaaa atgtaacttt actcctatct tctcagactg gcaaaggatt      180

taacttctta gttgaaattt ggggatatta gattagaaat ataatgaaaa tgtgaatata      240

gaaaaaaaat taaatataca atagtatttt aaatttggca cacatctatc tatgcatcca      300

taaataaagg ttatatacag cattcattta taattgttta agaattataa tgattttatg    . 360

aagtttagta tatgttcacc aatgtaacac caatggcagt gttataatct gtgatatata      420

tatgaggtaa attatattcc gaaaaatgat gaacctagaa cta                       463
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<210>   1971
<211>   291
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (262)..(262)
<223>   n = unknown

<400>   1971
aagtccgtaa agactgtgct gactgcttaa aacttactga caactaaatt agtttaggaa       60

tttttataaca aactgtaatt tgcttaaatt tgctttatga tcagctagtt gtatattatt     120

tgtaatttga tggttttagt tttttatgta acattttgac aaataaaaat tgtttatgaa      180

aataaaaaaa aaaaaaaaaa aaaaaattta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      240

aaaaaaaaaa aaaaaaaaaa anttaaaaaa aaaaaaaaaa aaaaaaaaaa a               291
```

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<210>   1972
<211>   269
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (34)..(34)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (64)..(64)
<223>   n = unknown

<400>   1972
agatctacta atgccgcgtt taccactgtc acanttattc cgcaaaccag caaccacaaa       60

tatnaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg      120
```

```
catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct    180

attatgggaa atccaatcgc atatccagct tccaacatta agaatgcat  aaatgcctgt    240

tcttccattg tgtctttaca ctcggtcgt                                      269
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<210>    1973
<211>    386
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (28)..(28)
<223>    n = unknown

<400>    1973
atatatctta catcgaatct aataacanta aagagttatt aattttcatg tcgatgtttt    60

agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttctcaaag    120

tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct    180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca    240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat    300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac    360

tgccattgcc ctgagttgtg tagggt                                         386
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<210>    1974
<211>    494
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (27)..(27)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (140)..(140)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (216)..(216)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (255)..(255)
<223>    n = unknown
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<220>
<221>  misc_feature
<222>  (336)..(336)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (341)..(341)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (384)..(384)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (406)..(406)
<223>  n = unknown

<400>  1974
ttttttttttt tttttttttt tttttcnaac ggcccaaacg atttattttt attaaaaaga      60

tacatgtaat ttcataaagc ttctatattt atatatttta aataatcaga aattactata     120

gttaatgaca ttttgtttgn gctccttaca taaaatacaa ttttatacat tttaattttt     180

atacatattt tttatattta attgcacaga tcattngggt atttattata ttaattgact     240

actttatgat aattngaatc ctaattagtc tattcaagat tgttttcctg gtttaagcct     300

tacttagcaa tctcactttt gcattcttcg ccgggnggcg ngggtatgca tcgcaactcc     360

gttttatcaa agtgcaagcc attnggacaa tcataatgtt ttattngcca tttgttgtca     420

accaagaaac attgataata tttttacaa tctcttcgat cggaaaaaac gttttcactt     480

ttgcatgcag ttct                                                        494
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<210>  1975
<211>  500
<212>  DNA
<213>  Ctenocephalides felis

<220>
<221>  misc_feature
<222>  (56)..(56)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (135)..(135)
<223>  n = unknown

<220>
<221>  misc_feature
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<222>    (211)..(211)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (216)..(216)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (227)..(227)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (230)..(230)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (285)..(285)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (291)..(291)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (301)..(301)
<223>    n = unknown

<220>
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<222>    (330)..(330)
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<222>    (400)..(400)
<223>    n = unknown

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<223>  n = unknown

<220>
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<222>  (427)..(427)
<223>  n = unknown

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<223>  n = unknown

<220>
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<223>  n = unknown

<220>
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<222>  (491)..(491)
<223>  n = unknown

<400>  1975
tttttttttt tttttttttt ttttcttgac aattttactt gtatttatct taaacntatt      60

tacagtattt cttcaaaaac tgtcaaatac aataagttaa cttaaataca tggatgttct     120

gagaatgtgg atganctcaa gattgtagaa ctgagtttga tctacacaat ttttgcctaa     180

aaggttcgct actcagaaag cagccacccg ngattncata ccgcctngcn tttgagaata     240

aaatatatgt ataatgttaa ataggatttt aatgggaaaa agccnattta ntactttagc     300

nttatgaata tgcatttcca aattattctn taacgnattt aacctaaaat ncaagaaatn     360

catattcata aatatacata tattttaata caaaaaggtn acttgngcaa aaatgaaatt     420

caaatcnctt ggcttngcta atttaaattg nttttagatt tttctctttt tttggtatgg     480

gtgcctattg nttaatttac                                                 500


<210>  1976
<211>  498
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (28)..(28)
<223>  n = unknown

<400>  1976
atgaacaatt tatacttaat agaatagnac aagcaacatt cgacaacttt tcaatggctg      60

tggtactatt tcgtgcatcg aagtcgttaa aggaaaattc gcctactgcc aaacatgaag     120
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aactcatggc aaaagcatgg tgttttgagg cttcagaacg cctagaggca aatttaaaac    180

atgtagtaag cggtaagcat ttagatttat ataccaaatt agctacaata ggcaaaaatt    240

catgcgctgc caatggagtt ccgcaaaata atccattaaa tttgtaataa atattaagta    300

tgtgtaacta agcttaagtt catttaattt attttattga taaatacttt aatttaacag    360

aatgtaaata tttcatttta tgtaaataat taggggtat ttgttatcaa gatcgtgcgc    420

caaataagcc ttgtcataca gattattttc aattttgata ataaggtaat acaatgcgcc    480

ttggtacatt ttgtaatc                                                   498
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<210>  1977
<211>  481
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<223>  n = unknown

<220>
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<222>  (58)..(58)
<223>  n = unknown

<400>  1977
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catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt    120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg    180

ataaaacgga gtcgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg    240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc    300

ataaagtagt caattaatat aataaataca caatgatct gtgcaattaa atataaaaaa    360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt    420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgactcc    480

c                                                                     481
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<210>  1978
<211>  251
<212>  DNA
<213>  Ctenocephalides felis

<400>  1978
tttccgtaat gatgatggtg ggcgcgactt ccggaatgtt cttgccggaa actttacacc     60
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aaaagttacc ggaaacgcta actgaagctc acgtattcgg cagggatcag gtgttctgga    120

gcttaccgaa aaaaggtgta tcaaagtcta cagatacggc cgtcaagaaa ttatcacaag    180

aagactgtta aatagttata atttgtattg ttatacatat gtttcttata taataaaatt    240

atatttattg t                                                         251
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<210>  1979
<211>  498
<212>  DNA
<213>  Ctenocephalides felis
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<400>  1979
caataaatat tgaatttaca ggcttatgaa caccattaag agtaaacctc aatttgatca     60

cagcaccctt ctctcccaac tcaattttct tcgtataccc catgtaattg atatgattag    120

ccctttcctc ttcctcgaaa taaacccaat tatgtagacc tgttacttca caatttttta    180

attcagctaa gaaaacatgc tcaaatgctg aactaccgat tttgccacct cctctggagt    240

ataaattaaa ccaaatcgtt ttcaataaat ccttatgagt ttggggatct ctagtcacaa    300

ttcccttttc aataaaaaaa ttcataagat gtcgcatcag gctggtggat aacattgcat    360

ctaacaaagc attttcttca tttctttctt gtgcagttac atgttcattt actgcagtat    420

ctaattcata attattaaat aatggtttca tagcgctata gtttaatatc aaaaggctga    480

ctgattcaca acaggcaa                                                  498
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<210>  1980
<211>  412
<212>  DNA
<213>  Ctenocephalides felis
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<400>  1980
acacaattag caataggaaa atctagccac aaatattttt aacaatttat ttaatactta     60

tgttctagaa atacaaagtg taaagttcaa ggtttgtata gcttaataaa gtaaacattt    120

taaaatgtaa tgaatttatc tgcaaatagt caaaatcaaa attactatat aatgattatt    180

gaaataatgc ttttatagat tgcatttcaa tctgtattaa attgtatgta aatcacagca    240

caagatctaa cacacaattc atctaacaga aagaacaaaa taattttaat gttattaaaa    300

attacatata aaataacttt acaataaag taaccttaca tgagatgtgt tgatttcaga    360

tacttttcat acaacagtgc tttctgtata aacaatataa tataaataac gg            412
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<210>  1981
<211>  269
<212>  DNA
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<213> ·Ctenocephalides felis

<400> 1981
aagtataatt gcatttcaca acacacgacg gaaatatggt tatggtccat atgaagcagt   60

gctcgttctt ctatccactt gcttctgata aatgttcggt ataaagaatg caatcactcc   120

acatgctatc agagatgttc ctgatattaa aaatgttaaa tcgcaattat aatctagaat   180

tattcctaca acattgcttc caacaacact tcctaatcga cccatcatta aagatataca   240

tactgccatt gccctgagtt gtgtagggt   269

<210> 1982
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (55)..(55)
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<220>
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<222> (95)..(95)
<223> n = unknown

<220>
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<222> (97)..(97)
<223> n = unknown

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<222> (166)..(166)
<223> n = unknown

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<222> (173)..(173)
<223> n = unknown

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<223> n = unknown

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<222> (178)..(178)
<223> n = unknown

<220>
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<223> n = unknown

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<222>  (330)..(330)
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<223>  n = unknown

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<222>  (458)..(458)
<223>  n = unknown

<400>  1982
tttttttttt tttttttttt ttttttttttc ataaagcttc tatatttata tatgntaaat      60

aatcagaaat tactatagtt aatgacattt tgttngngct ccttacataa aatacaattt     120

tatacatttt aatttttata catatttttt atatttaatt gcacanatca ttngngtntt     180

tattatatta atggactact ttatgataat tggaatccta attagtctat tcaagattgt     240

tttcctggtt taagccttac ttagcaatct cactttgca ttcttcgccg ggnggcgtgg      300

gtatgcatcg caactccgtt ttatcaaagn gcaagccatt nggacaatca taatgtttta     360

tttgccattt gttgttaacc aagaaacatt gataatattt tttacaatct cttcgatcgg     420

aaaaaacgtt ttcacttttg catgcagttc tgcacganaa agattttggg tcaagccatt     480

cggtggccgt cgtctttaca                                                  500


<210>  1983
<211>  386
<212>  DNA
<213>  Ctenocephalides felis

<400>  1983
atatatctta catcgaatct aataacaata aagagttatt aattttcatg tcgatgtttt      60

agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttctcaaag     120

tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct     180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca     240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat     300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac     360

tgccattgcc ctgagttgtg tagggt                                          386


<210>  1984
<211>  270
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<212>  DNA
<213>  Ctenocephalides felis


<220>
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<222>  (2)..(2)
<223>  n = unknown

<400>  1984
anatctacta atgccgcgtt taccactgtc acagcaattc cgcaaaccag caaccacggg      60

atataaatat gatgctattg ttaaatgttc aataaatgca caaattattc cacaaatccc     120

gcatgagacc atcacgaata caagaattgg aagctttccc acagagttaa taatagcacc     180

tattatggga aatccaatcg catatccagc ttccaacatt aaagaatgca taaatgcctg     240

ttcttccatt gtgtctttac actcggtcgt                                     270


<210>  1985
<211>  386
<212>  DNA
<213>  Ctenocephalides felis

<400>  1985
atatatctta catcgaatct aataacaata aagagttatt aattttcatg tcgatgtttt      60

agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttctcaaag     120

tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct     180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca     240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat     300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac     360

tgccattgcc ctgagttgtg tagggt                                     386


<210>  1986
<211>  349
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (55)..(55)
<223>  n = unknown

<220>
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<222>  (66)..(66)
<223>  n = unknown

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<222>  (72)..(73)
<223>  n = unknown

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<222>  (106)..(106)
<223>  n = unknown

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<223>  n = unknown

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<223>  n = unknown

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<222>  (194)..(194)
<223>  n = unknown

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<222>  (210)..(210)
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<222>  (231)..(231)
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<222>  (264)..(264)
<223>  n = unknown

<400>  1986
tttttttttt tttttttttt tttttttttc aagtatttat ttattctctt tatgnttttg       60

aacatngacg gnnttaacat tttttaccta tgagtatgta catatntctt acatcgaatc      120

taataacaat aaagagttat taattttcat gtcgatgttt tanaaaatga ttcagtagca      180

ncttctgaat tttntttgta attgataatn ctttctcaaa gtataattgc ntttcacaac      240

acacgacgga aatatggtta tggnccatat gaagcaatgc tcgttcttct atccacttgc      300

ttctgataaa tgttcggtat aaagaatgca atcactccac atgctatca               349
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<210>  1987
<211>  487
<212>  DNA
<213>  Ctenocephalides felis
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<220>
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<223>  n = unknown

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<222>  (53)..(53)
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<223>  n = unknown

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<223>  n = unknown

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<223>  n = unknown

<220>
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<222>  (144)..(144)
<223>  n = unknown

<220>
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<222>  (157)..(157)
<223>  n = unknown

<220>
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<222>  (164)..(164)
<223>  n = unknown

<220>
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<222>  (179)..(179)
<223>  n = unknown
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<223>  n = unknown

<220>
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<222>  (200)..(201)
<223>  n = unknown

<220>
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<222>  (211)..(211)
<223>  n = unknown

<220>
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<223>  n = unknown

<220>
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<223>  n = unknown

<220>
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<223>  n = unknown

<220>
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<223>  n = unknown

<220>
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<222>  (351)..(351)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (393)..(393)
<223>  n = unknown

<220>
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<222>  (419)..(419)
<223>  n = unknown

<400>  1987
tttttttttt tttttttttt tttttttttc aagnattnat ttattctntt tanggntttt      60

gaacattgac ggcnttaaca tttttttacct atgagtatgt ncatatatct tacatcgaat     120

ntaataacaa taaagagtta ttanttttca tgtcgangtt ttanaaaatg attcagtanc     180

ancttctgaa ttttctttgn nattgataat nctttctcaa agtntaattg cntttcacaa     240
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```
cacacgacgg aaatatggtt ntggtccata tgaagcaatg ctcgttcttc tatccacttg    300

cttctgataa atgttcggna taaagaatgc aatcactcca catgctatca nagatgttcc    360

tggtattaaa aatgttaaat cgcaattata atntagaatt attcctacaa cattgcttnc    420

aacaacactt cctaatcgac ccatcattaa agatatcata ctgccattgc cctgagttgt    480

gtagggt                                                             487
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<210>  1988
<211>  379
<212>  DNA
<213>  Ctenocephalides felis

<400>  1988
tttgcagact gtactttctt tagtggtgca ctgtagatat ccactttgat cagcgcacac    60

ttgatctggg ctacaggatt ccttaaccgg atctgctcct atttccggac aatactgcat    120

ttcgggtgaa ctgcacgaat tcacgcaact aaattttact tttttacatt tttgctcggg    180

tttcggtaca ggtgtaggtt caggagtagg tactactcct ggtgcgggct catccaatga    240

tgcaaatact tctttatttta ctgttaaagg cgttccgtcg acattaaact caccatcata    300

agcggtaacg acagataacg ccacaaaact aataaaaacc aatgtgatat aaaacattct    360

aataaatatg ttacccagc                                                379
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<210>  1989
<211>  118
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (28)..(28)
<223>  n = unknown

<220>
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<222>  (55)..(55)
<223>  n = unknown

<400>  1989
catcaccgag aagaactctt cggctacnga atatcttcat tggaggcgcg ttgtnggtgc    60

acgcagcatt aacaaggttc ttgcaattca gcataatgac cagaagaaaa atacaggt     118
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<210>  1990
<211>  118
<212>  DNA
<213>  Ctenocephalides felis
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<220>
<221>  misc_feature
<222>  (27)..(28)
<223>  n = unknown

<400>  1990
catcaccgag aagaactctt cggctannga atatcttcat tggaggcgcg ttgtgggtgc      60

acgcagcatt aacaaggttc ttgcaattca gcataatgac cagaagaaaa atacaggt      118


<210>  1991
<211>  210
<212>  DNA
<213>  Ctenocephalides felis

<400>  1991
ggaagcacct taggctgtgc aggacatgta actgtatagc attttgtgcc cagagccata      60

ggtccgcaat tatgacgtaa cggatcatat gcaaaatttg cggggcaata atattgggtt     120

cctatactat tttcgtcaca ataataatag ctttgacaat catttatatt tggataaaat     180

ctcgatggtg acggacattt gaaaccttgt                                      210


<210>  1992
<211>  500
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (172)..(172)
<223>  n = unknown

<220>
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<222>  (181)..(181)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (336)..(336)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (464)..(464)
<223>  n = unknown

<220>
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<222>  (468)..(468)
<223>  n = unknown
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<400> 1992

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tttttttttt tttttttttt tttttttttt tatttcataa agcttctata ttgatatatt      60

ttaaataatc agaaattact atagttaatg acattttgtt tgtgctcctt acataaaata     120

caattttata cattttaatt tttatacata ttttttatat ttaattgcac anatcatttg     180

ngtatttatt atattaattg actactttat gataatttga atcctaatta gtctattcaa     240

gattgttttc ctggtttaag ccttacttag caatctcact tttgcattct tcgccgggtg     300

gcgtgggtat gcatcgcaac tccgtttttat caaagngcaa gccatttgga caatcataat    360

gttttatttg ccatttgttg ttaaccaaga aacattgata atattttta caatctcttc     420

gatcggaaaa aacgttttca cttttgcatg cagttctgca cganaaanaa tttgggtcaa     480

accattcgtg gacgcgtctt                                                 500
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<210> 1993
<211> 498
<212> DNA
<213> Ctenocephalides felis

<400> 1993

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tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg      60

catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt     120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg     180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg     240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc     300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa     360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt     420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt     480

acatgtatct ttttaata                                                   498
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<210> 1994
<211> 245
<212> DNA
<213> Ctenocephalides felis

<400> 1994

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ggaagcacct taggctgtgc aggacatgta actgtatagc attttgtgcc cagagccata      60

ggtccgcaat tatgacgtaa cggatcatat gcaaaatttg cggggcaata atattgggtt     120

cctatactat tttcgtcaca ataataatag ctttgacaat catttatatt tggataaaat     180

ctcgatggtg acggacattt gaaaccttgt actttgcaga ctgtactttc tttagtggtg     240
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cactg   245

<210> 1995
<211> 386
<212> DNA
<213> Ctenocephalides felis

<400> 1995
cctacacaac tcagggcaat ggcagtatgt atatctttaa tgatgggtcg attaggaagt   60

gttgttggaa gcaatgttgt aggaataatt ctagattata attgcgattt aacatttta   120

atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat   180

cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt   240

cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcaattacaa agaaaattca   300

gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt   360

tattagattc gatgtaagat atatgt   386

<210> 1996
<211> 482
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (58)..(58)
<223> n = unknown

<400> 1996
tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaantg   60

catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt   120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg   180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg   240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc   300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa   360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt   420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt   480

ta   482

<210> 1997
<211> 482
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catgcaaaag tgaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt   120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg   180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg   240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc   300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa   360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt   420

cattaactat agtaatttct ggttatttaa aatatattaa ttttggaagc tttatgaatt   480

ta   482

<210> 1998
<211> 218
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<220>
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<222> (51)..(51)
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<400> 1998
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aataaaatta agcgtaaaat gaataatttt gattagaaca aatatattca tggatttaaa   120

aaaatctaaa ttgtaaaatt cttaaatgcc ttatcatatt tgcgagcctg tgttcaacca   180

taatattttt ttatataaca cataaagtaa aacaaagt   218

<210> 1999
<211> 423
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<213> Ctenocephalides felis

<220>
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<222> (58)..(58)
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<400> 1999
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aaaagaattg ggatttgtgc atttcatgac ggtgcaatca gcttctgacg atttcttttt   120

acacatattt ttagaatgat catatacata gttaggtggg cattcgaaaa cctgaccttt   180

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accatctttg cagaataagt atcttgtgca gtctttcgga tctggctgat atcctacaac    240

cgcgcatgta gtttctgccg tcttacagtt ttccccaggt tttgatgagc acatatcatc    300

tacacaaaat ggagcatcgg aatttgagtc tctgcaattg attgttgtaa ttggggtttc    360

ttgtccagcg cacaacttca aagtagaaca atcgtgacaa aatgttccca actgcttatt    420

agt                                                                  423
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<213>   Ctenocephalides felis


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ggcanannaa agccagttat gataagaacc aagcctattt catgtgaagg ttacttctcc    120

acagnattat tatctatntc aagtttnctt ctggtcatta tgctgaattg caagaacctt    180

nttnatgctg cgtgcaccaa caacgcgccn tgcaatgaag atattcctgt agccgaagan    240

ttnttctcag tgatggt                                                    257


<210>  2001
<211>  481
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gcatgcaaaa gtgaaaacgt tttttccgat cgaagagatt gtaaaaaata ttatcaatgt    120

ttcttggtta acaacaaatg gcaaataaaa cattatgatt gtccaaatgg cttgcacttt    180

gataaaacgg agttgcgatg catacccacg ccacccggcg aagaatgcaa aagtgagatt    240

gctaagtaag gcttaaacca ggaaaacaat cttgaataga ctaattagga ttcaaattat    300

cataaagtag tcaattaata taataaatac acaaatgatc tgtgcaatta aatataaaaa    360
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atatgtataa aaattaaaat gtataaaatt gtattttatg taaggagcac aaacaaaatg      420

tcattaacta tagtaanttc tgattattta aaatatatta atatagaagc tttatgaaat      480

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<210>  2002
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ttggcagcaa ccattcattt gtccaagagt tggactattt cgcgatccat tggatcctac      120

atgcaaaagg t                                                           131


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attaatataa ttgcatttaa aacttatata taattttta atattaattt tctccaaatc      120

ggttcatcaa gctgataact ttcttataaa ccaaatctac agagtcgatt ccccacaaat      180

agtccaaatg attgaatttg ccatctggt                                       209


<210>  2004
<211>  482
<212>  DNA
<213>  Ctenocephalides felis

<400>  2004
tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg      60

catgcaaaag tgaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt      120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg      180
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ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg    240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc    300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa    360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt    420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt    480

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<211>    329
<212>    DNA
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ggtgggcatt cgaaaacctg acctttacca tctttgcaga ataagtatct tgtgcagtct    120

ttcggatctg gctgatatcc tacaaccgcg catgtagttt ctgccgtctt acagttttcc    180

ccaggttttg atgagcacat atcatctaca caaaatggag catcggaatt tgagtctctg    240

caattgattg ttgtaattgg ggtttcttgt ccagcgcaca acttcaaagt agaacaatcg    300

tgacaaaatg ttcccaactg cttattagt                                      329
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ttaccgcaat tgaaaaaagc gcgctcagag aacgttccac tttcgattga aacttgtcat    180

cattacttaa cctttgctgc tgaagatgtt ccagatggac atactgaata caaatgcgct    240

ccaccaatta gagaagaaag taatcaagaa aaattatggc aagctttgga aaacagagat    300

attgatatgg tagtcagtga tcattctcca tcacctgctg cactgaaagg cctgtgcaat    360

ggttgtcatc ctgatttcct aaaagcttgg ggtggaattg ctggtatgca gtttggatta    420
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tctttattat ggaccggtgc ttctaaaaga ggctttaaag ctcatgatgt atctcgttta      480

ttatctgcgg gacctgcg                                                    498
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<211>  386
<212>  DNA
<213>  Ctenocephalides felis

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agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttctcaaag      120

tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct      180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca      240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat      300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac      360

tgccattgcc ctgagttgtg tagggt                                          386
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<210>  2008
<211>  423
<212>  DNA
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<220>
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<223>  n = unknown

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aaaagaattg ggatttgtgc atttcatgac ggtgcaatca gcttctgacg atttcttttt      120

acacatattt ttagaatgat catatacata gttaggtggg cattcgaaaa cctgaccttt      180

accatctttg cagaataagt atcttgtgca gtctttcgga tctggctgat atcctacaac      240

cgcgcatgta gtttctgccg tcttacagtt ttccccaggt tttgatgagc acatatcatc      300

tacacaaaat ggagcatcgg aatttgagtc tctgcaattg attgttgtaa ttggggtttc      360

ttgtccagcg cacaacttca aagtagaaca atcgtgacaa aatgttccca actgcttatt      420

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<400>   2009
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<212>   DNA
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<400>   2010
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aaaagaattg ggatttgtgc atttcatgac ggtgcaatca gcttctgacg atttcttttt     120

acacatattt ttagaatgat catatacata gttaggtggg cattcgaaaa cctgaccttt     180

accatctttg cagaataagt atcttgtgca gtctttcgga tctggctgat atcctacaac     240

cgcgcatgta gtttctgccg tcttacagtt ttccccaggt tttgatgagc acatatcatc     300

tacacaaaat ggagcatcgg aatttgagtc tctgcaattg attgttgtaa ttggggtttc     360

ttgtccagcg cacaacttca aagtagaaca atcgtgacaa aatgntccca actgcttatt     420

agt                                                                    423


<210>   2011
<211>   257
<212>   DNA
<213>   Ctenocephalides felis


<220>
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ggcanannaa agccagttat gataagaacc aagcctattt catgtgaagg ttacttctcc     120

acagnattat tatctatntc aagtttnctt ctggtcatta tgctgaattg caagaacctt     180

nttnatgctg cgtgcaccaa caacgcgccn tgcaatgaag atattcctgt agccgaagan     240

ttnttctcag tgatggt                                                    257


<210>  2012
<211>  481
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gcatgcaaaa gtgaaaacgt tttttccgat cgaagagatt gtaaaaaata ttatcaatgt   120

ttcttggtta acaacaaatg gcaaataaaa cattatgatt gtccaaatgg cttgcacttt   180

gataaaacgg agttgcgatg catacccacg ccacccggcg aagaatgcaa aagtgagatt   240

gctaagtaag gcttaaacca ggaaaacaat cttgaataga ctaattagga ttcaaattat   300

cataaagtag tcaattaata taataaatac acaaatgatc tgtgcaatta aatataaaaa   360

atatgtataa aaattaaaat gtataaaatt gtattttatg taaggagcac aaacaaaatg   420

tcattaacta tagtaanttc tgattatttA aaatatatta atatagaagc tttatgaaat   480

t                                                                   481


<210>   2013
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<212>   DNA
<213>   Ctenocephalides felis


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<223>   n = unknown

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ttggcagcaa ccattcattt gtccaagagt tggactattt cgcgatccat tggatcctac   120

atgcaaaagg t                                                        131


<210>   2014
<211>   498
<212>   DNA
<213>   Ctenocephalides felis
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cagttnttaa aaatganttc tttgttttat ttgtattttc accatccact cctggatatt     120

catctaagat tgatgatacg gggaattcac tttctggttt accagtatta attctataca     180

ttttggcaat aatttgacga gcttcttcnn ttcttccctg attcatcaaa antttgggac     240

tttctggtan tttccacaaa gcaaaacaac aaagcngnga tggcaaacna catgcaacca     300

tatacaacct ccagggcttg tatgtatatc ccaaaaagtc aatatagaat gaccatttnt     360

gatttataat taaccatgca accgtcggta atgcaagaca cgcaaatccg aagatgcttg     420

acgctcccat aatagccctg ctgngatgcc taggattatg aaattctcta aatatgcata     480

tattggtgca cttccttc                                                  498


<210>  2015
<211>  498
<212>  DNA
<213>  Ctenocephalides felis

<400>  2015
tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg      60

catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt     120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg     180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg     240

ctaagtaagg cttaaaccag gaaacaatc ttgaatagac taattaggat tcaaattatc     300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa     360

tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt     420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct tatgaaatta     480

catgttcttt ttaataaa                                                  498


<210>  2016
<211>  487
<212>  DNA
<213>  Ctenocephalides felis


<220>
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<222> (59)..(59)
<223> n = unknown

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acctacatga ttaaagtatc acttttattt aattaattag ctattatgta taggtaattc   120

tatttagttt tgtttaatta attaattact cagccttgct tattattatc gatttcgata   180

cggaaagcca aatcctgcat cgagtcgtgc tttagaaggg acttcttttc gggatcttta   240

acttttctga ttggtttttt gttttacca tatctatttg taacaccatc atcctcgtcc   300

atcatcctta aaatagttaa ttgatccgat gaatctaagg gggccacaga aatatcacga   360

acggctctga atttaccaca attattcaaa tgttcgtttt ccaaacggaa gaaattccat   420

acaaacctcc taaacacttc caatggtgac agtatagatg taagaatgtc cccgctcaca   480

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<210> 2017
<211> 500
<212> DNA
<213> Ctenocephalides felis

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aatgacattt tgtttgtgct ccttacataa aatacanttt tatacatttt aatttttata     180

catatttttt atatttaatt gcacagatca tttgtgtatt tattatatta attgactact     240

ttatgataat ttgaatccta attagtctat tcaagattgt tttcctggtt taagccttac     300

ttagcaatct cacttttgca ttcttcgccg ggtggcgtgg gtatgcatcg caactccgtt     360

ttatcaaagt gcaagccatt tggacaatca taatgnttta tttgccattt gntgntaacc     420

aagaaacatt ggtnatantt tttacaatct ctttgatcgg gaaaaacgct ttacttttgg     480

gntgccnttt gnacgagaaa                                                 500


<210>  2018
<211>  500
<212>  DNA
<213>  Ctenocephalides felis


<220>
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ttntatattn atatatttta aataatcaga aattactata gttaatgaca ttttgtttgt     120

gctccttaca taaaatacan ttttatacat tttattttt atacatattt tttatattta      180

atngcacana ncatttgtgt atttattata ttaattgact actttatgat aatttgaatc     240

ctaattagtc tattcaagat tgttttcctg gnttaagcct tacttagcaa tctcactttt     300

gcattcttcg ccgggtggcg tgggtatgca tcgcaactcc gttttatcaa agtgcaagcc     360

atttggacaa tnataangnt ttatttgccn tttgttgnta accaaaaaac antgntaata     420

tttttacaa actcttccag gcggnaaaaa ccnttttcac ttttgcatgc aaatctgcac      480

gagaaannat tttgggtaaa                                                  500


<210>  2019
<211>  321
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ttcgaaaacc tgacctttac catctttgca gaataagtat cttgtgcagt ctttcggatc     120
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```
tggctgatat cctacaaccg cgcatgtagt ttctgccgtc ttacagtttt ccccaggttt    180

tgatgagcac atatcatcta cacaaaatgg agcatcggaa tttgagtctc tgcaattgat    240

tgttgtaatt ggggtttctt gtccagcgca caacttcaaa gtagaacaat cgtgacaaaa    300

tgttcccaac tgcttattag t                                              321
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<210>    2020
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<400>    2020
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tggggnattg tgacgaaaat agnntacgaa cccaatatta ttgccccgca aattttgcat    120

atnatccgtt acgtcataat tgcggaccta tggctctggg cacaaaatgc tatacagtta    180

catgtcctgc acagcctaag gtgcttncgt acattggtga taaatcattg t            231
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<210> 2021
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<220>
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<400> 2021
tattaaataa gtttggttgt ctgttaaaan gttttgagca agcactgttt attttttant   60

ttaaataaat gcctattatt gtttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa   120

aaaaaaaaaa aaaaaaaaaa aaaaa   145

<210> 2022
<211> 319
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<220>
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<400> 2022
ctgacgattt cttttttacac atntttttag aatgatcata tacatagtta ggtgggcatt   60

cgaaaacctg acctttacca tctttgcaga ataagtatct tgtgcagtct ttcggatctg   120

gctgatatcc tacaaccgcg catgtagttt ctgccgtctt acagttttcc ccaggttttg   180

atgagcacat atcatctaca caaaatggag catcggaatt tgagtctctg caattgattg   240

ttgtaattgg ggtttcttgt ccagcgcaca acttcaaagt agaacaatcg tgacaaaatg   300

ttcccaactg cttattagt   319

<210> 2023
<211> 313
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

<400> 2023

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cgtggcatat tttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc     120

atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac     180

aaactttggt cttcgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt     240

tttgaacgtt acaacccgat ttctcgcaac acatttttc tcggttagtc gagtcacaac      300

tttctttaac cgt                                                         313
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<210> 2024
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<212> DNA
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<220>
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<222> (235)..(235)
<223> n = unknown

<400> 2024
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atgacgaggc tgatagttcc aagcgcanat cagctagaaa cactcatcgt aagaaatacg     120

tcgatgatgt aatgctacga ttttcggatg aagacagtcc tctagtggcg ttggcttcac     180

cagtaaaaca agaaaaagat gttaaaccaa aagagactgt tgcaaaaaaa aaaanaaaaa     240

aaaaaaaaa                                                              249
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<210> 2025
<211> 321
<212> DNA
<213> Ctenocephalides felis

<400> 2025
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ttcgaaaacc tgacctttac catctttgca gaataagtat cttgtgcagt ctttcggatc     120
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tggctgatat cctacaaccg cgcatgtagt ttctgccgtc ttacagtttt ccccaggttt      180

tgatgagcac atatcatcta cacaaaatgg agcatcggaa tttgagtctc tgcaattgat      240

tgttgtaatt ggggtttctt gtccagcgca caacttcaaa gtagaacaat cgtgacaaaa      300

tgttcccaac tgcttattag t                                                321
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<210>   2026
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<400>   2026
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tttaaataaa tgcctattat tgtttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaataaaa      120

aaaaaaaaaa aaaaaaaaaa aaaaa                                            145
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<210>   2027
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<213>   Ctenocephalides felis

<220>
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<400>   2027
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gaaaacctga cctttaccat ctttgcagaa taagtatctt gtgcagtctt tcggatctgg      120

ctgatatcct acaaccgcgc atgtagtttc tgccgtctta cagttttccc caggttttga      180

tgagcacata tcatctacac aaaatggagc atcggaattt gagtctctgc aattgattgt      240

tgtaattggg gtttcttgtc cagcgcacaa cttcaaagta gaacaatcgt gacaaaatgt      300

tcccaactgc ttattagt                                                   318
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<210>   2028
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<211>  410
<212>  DNA
<213>  Ctenocephalides felis


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ataatcagaa atnactatag ttaatgacat tttgtttgtg ctccttacat aaaatacnan       120

tttntacatt nnanttntta tacatatttt ttatatttaa ttgcacanat catttgngta       180

tttattatat taattgacta ctttatgata atttgaatcc taattagtct attcaagatt       240

gttttcctgg tttaagcctt acttagcaat ctcactttg cattcttcgc cgggtggcgt       300

gggtatgcat cgcaactccg ttttatnaaa gtgcaagcca tttggacaat cataatgttt       360

tatttgccat ttgttgttaa ccaagaaaca ttgataatat ttttacaat              410


<210>  2029
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<212>  DNA
<213>  Ctenocephalides felis


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taatcagaaa ttactatagt taatgacatt ttgtttgtgc tccttacata aaatacannt     120

ttatacattt taatttttat acatattttt tatattnaat ngcacagatc atttgtgtnt     180

ttattatatt aatngactac tttatgataa ttngaatcct aattagtcta ttnaagattg     240

ttttcctggt ttaagcctta cttagcaatc tcacttttgc attcttcgcc gggtggcgtg     300

ggtatgcatc gcaactccgt tttatcaaag tgcaagccat tnggacaatc ataatgtttt     360

attngccatt tgttgttaac caagaaacat tgataatatt ttttacaatc tttttcgatc     420

ggaaaaaacg tttcactttt gcatgcagtt ctgcacnaaa aaagattttg ggtcaaacca     480

ttcggnggac gtcgtcttca                                                 500


<210>   2030
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<223>  n = unknown

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taacgttcaa aaacttccag aactaagaaa cgaatgtttc aaagatgcag gaaagacgaa     120

gaccaaagtt tgtatgaatc caaaggacga ctgctattca aaaattgaaa aaggtgtcat     180

tactcgagga tgcaaatcan atcagggtaa cgattgtaat gcaaactctg attcatgtaa     240

aatatgccac gggaataaat gcaataaaca aatcacttgc aaaacatgca acgaacttat     300

agccaagaat tgt                                                        313


<210>  2031
<211>  386
<212>  DNA
<213>  Ctenocephalides felis


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agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttctcaaag     120

tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct     180

cgttcttcta tccacttgct tctgataaat gttcggtata aagaatgcaa tcactccaca     240

tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat     300

tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatac     360

tgccattgcc ctgagttgtg tagggt                                          386


<210>  2032
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<212> DNA
<213> Ctenocephalides felis

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gccagagttt caactgatgt tggcattaaa gtaggagaag ccctcaggaa tgtcgtggaa   120

cttcgtttag atttgggaaa atgttcttca gacantttga ataaatggga atccagattg   180

gaagaaatta atgatgttgt ggaaaattgc atcgtgtgaa attgtaactt gaaataattt   240

ttcttaacta ttanttttat agatgaacaa atacataatc taataaacca gcangtgaaa   300

aaaanaaaaa aaaaagaaaa aa   322

<210> 2033
<211> 376
<212> DNA
<213> Ctenocephalides felis

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<400>  2033
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catgcaaaag tgaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatgtt     120

tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg     180

ataaaacgga gttgcgatgc atacccacgc cacccggcga agaatgcaaa agtgagattg     240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc     300

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa     360

tatgtataaa aaaaaa                                                     376


<210>  2034
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<213>  Ctenocephalides felis


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gatgtcgatg aagccagagc ttgcttgaaa gatgtccttc aagctgcccg tgaaggagcc     120

aaggacttgg ccaaggcttt caaagaaacc tggtcccaat tgggcaactt ggttcgtgan     180

gtcggcaaat gcgcaagagg agccgtgaag gaattcagag ataacttggt                230


<210>  2035
<211>  400
<212>  DNA
<213>  Ctenocephalides felis

<400>  2035
acatcaagca taattttcaa aaatggtcca agaaaccgaa tgcaaattaa atggatcctc      60
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aaaccccgag gaaactaatg tgattcacgg tccagccgcg cctgccaacg aaggtttgag    120

gggctttgga gaggaaattt atgacagaat agttttacat ggcgatagag tatccatgat    180

cgacggagac accgatcgct ccaccacctt cgacgccctt cgggcacgca gtgcagcaat    240

cgctctagcc ctaagggctc gtggagtgac caacaaagac gtcataactt tggtagaact    300

caccacagaa gactcttttg ccattgtttt ggggataatt ttctcaggag ccactttagg    360

gatgttggat ggagcctgga cagtcccaaa cactgctagt                          400
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<211>  377
<212>  DNA
<213>  Ctenocephalides felis


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cagttttatg attnaaagtt ttacattgtt tttaataaac tgtnggattt ccgggnggct     120

caattttgta tatacnccag gatatccagg tcgcgcgcat cctcncctcc agnatataac     180

tcctactagg aacctgtttt tcatctacaa gnggcccacc gctntcccca tgacaagtat     240

nttttgtcc ttgaggaaaa ccagcgcaca tnatactgnc agaaatgatg tcactgttaa      300

tagcatgact gttcttgcat tcttgacttg agtaagcttt aactttaact tcttgaaact     360

ttggcnaaat tggcccc                                                     377


<210>  2037
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<212>  DNA
<213>  Ctenocephalides felis

<400>  2037
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atcgttggat tcttactgct gctacttgcg tgttaaataa atatccaaat gatattcttc     120

tcgtcgttgg aaccaacact ttgaatgctg gcggagtagg atacaaagtt gcccaaataa     180
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tcgttcataa ccaatttaac cagaacacat accacaataa catcgctttg ctaaaaacta    240

catcaaatat tgtatacaca aactatgtca aaccagttgg tctggcaagc tatgatacac    300

caattggagc agtatccact ctggctggat ggggctactt atctaatggt ggccaaattc    360

ccaactactt gcaaatcgtt gacacgt                                       387
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<210> 2038
<211> 250
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

<220>
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<223> n = unknown

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<223> n = unknown

<400> 2038
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tgctacttgc ntgttaaata aatatccaaa tgatattctt ctcgtcgttg gaaccaacac    120

tttgaatgct ggcngagtan gatacaaagt tgcccaaata atcnttcata accaatttaa    180

cccanaacac ataccacaan taacatcgct ttgctaaaaa ctacatcaaa tattgtatac    240
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acaaactatg   250

<210>   2039
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<212>   DNA
<213>   Ctenocephalides felis

<220>
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gtttgttgct cttgccatca ttggctttat aggggctgca caagcctttt tcgaacaaga   120

tgccgtctta gataagatgg tagatgacat ctctgctgaa tatgagaaca gcattgcaag   180

aattagccaa gatagcaaaa ttgatatgat tgccgctgaa ttcgaaaaac aaggatttgc   240

ccctgaagtc gatagagatt tggagaggtt caacaaagaa gttgaaagga aacttagcaa   300

aaaagtgagt gaagccgcaa aggaatgcct taaaggccaa caccaaaaag ctctaggcta   360

cgcacaagaa gcccgtgcta aggtcaaggc ttgcagagat gacaaacgtg atgaattcaa   420

ccaagttcgc caaaatggct tggccgcctg gagagaagcc agggagaacg ccgaagccct   480

cagagcacaa gccaaggagt   500

<210>   2040
<211>   500
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (60)..(60)
<223>   n = unknown

<400>   2040
gttcttcaga tatttactaa atattgtgaa ataaatcatt ttcaaaatgg tgtccaaagn   60

gtttgttgct cttgccatca ttggctttat aggggctgca caagcctttt tcgaacaaga   120

tgccgtctta gataagatgg tagatgacat ctctgctgaa tatgagaaca gcattgcaag   180

aattagccaa gatagcaaaa ttgatatgat tgccgctgaa ttcgaaaaac aaggatttgc   240

ccctgaagtc gatagagatt tggagaggtt caacaaagaa gttgaaagga aacttagcaa   300

aaaagtgagt gaagccgcaa aggaatgcct taaaggccaa caccaaaaag ctctaggcta   360

cgcacaagaa gcccgtgcta aggtcaaggc ttgcagagat gacaaacgtg atgaattcaa   420

```
ccaagttcgc caaaatggct tggccgcctg gagagaagcc agggagaacg cccgaagccc      480

tcagagcaca agccaaggga                                                  500
```

```
<210>   2041
<211>   500
<212>   DNA
<213>   Ctenocephalides felis
```

```
<220>
<221>   misc_feature
<222>   (60)..(60)
<223>   n = unknown
```

```
<400>   2041
gttcttcaga tatttactaa atattgtgaa ataaatcatt ttcaaaatgg tgtccaaagn      60

gtttgttgct cttgccatca ttggctttat aggggctgca caagcctttt tcgaacaaga     120

tgccgtctta gataagatgg tagatgacat ctctgctgaa tatgagaaca gcattgcaag     180

aattagccaa gatagcaaaa ttgatatgat tgccgctgaa ttcgaaaaac aaggatttgc     240

ccctgaagtc gatagagatt tggagaggtt caacaaagaa gttgaaagga aacttagcaa     300

aaaagtgagt gaagccgcaa aggaatgcct taaaggccaa caccaaaaag ctctaggcta     360

cgcacaagaa gcccgtgcta aggtcaaggc ttgcagagat gacaaacgtg atgaattcaa     420

ccaagttcgc caaaatggct tgcccgcctg gagagaagcc agggagaacg cccgaaaccc     480

tcagagcaca agcccaaggg                                                 500
```

```
<210>   2042
<211>   420
<212>   DNA
<213>   Ctenocephalides felis
```

```
<220>
<221>   misc_feature
<222>   (12)..(12)
<223>   n = unknown
```

```
<220>
<221>   misc_feature
<222>   (322)..(322)
<223>   n = unknown
```

```
<220>
<221>   misc_feature
<222>   (329)..(329)
<223>   n = unknown
```

```
<220>
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<221>   misc_feature
<222>   (350)..(350)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (382)..(382)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (409)..(409)
<223>   n = unknown

<400>   2042
aacaaaatcc tncaattgat ttttcatcta tatcaaaaaa attaggtgaa ctttgggcaa      60

atgtgcctaa tggagagaag tataattggc gtcgaagggc taaacgtatg gctatgaaag     120

tagcgagaga tgaacaaata aaaacatctg ataataaagc acaatttata aataaaagca     180

aatctaataa gccctcccaa ttctccactt caccaacagt ttctaagaaa cttgatatag     240

aagatttata agtgatgcct aattcccaac aaaattctga taatttaatg ttgagcccca     300

aatcatcaag caatgagcag cngtttatnt tttaaggcct gtataaagtn acaggaagtt     360

tccccaattg gacatagctg cnttatctaa aagttacctt tggccgagna gttgaatatt     420
```

```
<210>   2043
<211>   199
<212>   DNA
<213>   Ctenocephalides felis

<400>   2043
aattgatttt agagcattca aatcggatgc tctgttctct caaaaactta atttttattt      60

tctgcactct ttgcttcgta tcttcgaaat agctggatcg gcctttgcca aaaactaatc     120

agcacatctc cctatcaata ggaatcgaat ttttttttga accattcaaa ttggttgatc     180

cgtgcgtccg aaaacgtgt                                                   199
```

```
<210>   2044
<211>   498
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (449)..(449)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (452)..(452)
```

<223> n = unknown

<400> 2044

```
aaatgtcaaa acaacggtgt tagataacag acttaaaata tccttattgg ttttgaacaa     60

aaattaaata ctacaaaata tgcataattg tatgaacctt ctacaagaac caagaaactt    120

atacactttt atacaaaaat ttggaaattt tactcaaaaa ctaagaaaaa tgtcctaagt    180

ggaagaaact tttacttatg aaattatata taaacctcaa cacacttctg ttgttgtttt    240

taagattttt aaaaaaatat ttttattgtt ttggaacaaa aattaaatac tacaaaatat    300

gcataatttc atcaactttc tataagaacc aagtaactta tacaccttta tacaaaattt    360

tggaaatttt attcaaaaac caaaaaaaat gtcctttaac aaacttttac ttatgaaatt    420

atatataaaa ctcaacctac tactattgnt gntttcaaga ttttttttaa aaatctctta    480

ttgattttga accaaaat                                                  498
```

<210> 2045
<211> 534
<212> DNA
<213> Ctenocephalides felis

<400> 2045

```
gctggaatga atgattgaat gaaatattaa ctgtcttaat aaaattgtta tagaatttaa     60

tttttatgtt aaaaagcgta aatattatta aaggacgaga agacccttta aagttttata    120

tataaatata gattaatttt aagaatatta ttaaatttat ttatattaat atattttatt    180

ggggtgatag gaaaatttat aaaacttttt ttttattaaa acataaataa ttgaataatt    240

gatccataaa ttatgattaa aagattaagt tacttaaggg ataacagcgt aattattttt    300

aagagaacat atcgacaaaa tagattgcga cctcgatgtt ggattaagat aatttttaaaa    360

tgcagaagtt ttaaaatttg gtctgttcga ccattaattc ttacatgatc tgagttcaaa    420

ccggttaagc caggtggttc tatccttaat ttttaaaatt aattagtcga aaggccatta    480

attataataa ttatttaatt gaataaaata aaaaaaaaaa aaaaaaaaaa aaaa          534
```

<210> 2046
<211> 545
<212> DNA
<213> Ctenocephalides felis

<400> 2046

```
taatcaatag ttttttaatt gaaagctgga atgaatgatt gaatgaaata ttaactgtct     60

taataaaatt gttatagaat ttaattttta tgttaaaaag cgtaaatatt attaaaggac    120

gagaagaccc tttaaagttt tatatataaa tatagattaa ttttaagaat attattaaat    180
```

```
ttatttatat taatatattt tattggggtg ataggaaaat ttataaaact ttttttttat    240

taaaacataa ataattgaat aattgatcca taaattatga ttaaaagatt aagttactta    300

agggataaca gcgtaattat ttttaagaga acatatcgac aaaatagatt gcgacctcga    360

tgttggatta agataatttt aaaatgcaga agttttaaaa tttggctgtt cgccattaat    420

tcttacatga tctgagttca aaccggttaa gccaggtggt tctatcctta attttttaaa    480

attaattagt acgaaaggcc ttaattataa taattat.tta attgaataaa taaaaaaaaa    540

aaaaa                                                                545


<210>   2047
<211>   469
<212>   DNA
<213>   Ctenocephalides felis

<400>   2047
agagagtctg tttggcacga agttgcttaa agccttcagt ggacgctgaa acaattaaaa     60

ttattctagt caaatattac attggtagtt taaagcctcg tgtgtgcttg aagacaaaaa    120

gtgcctttgt acaaaaacaa acagtgatat ttaatttatg aaatcgttat aaacgtgtgt    180

cgtatgatac ttggatattt ataaaaaaaa gtgatacttg ttagtcagtt taaaccctat    240

atgcacaaag ggatataata agacatagtt aaaattattg caaaaatggt tggaagtaac    300

ggtacaatga tggcaatacg tgttgttcgc agtaaactga ggaaacgcga agagcactct    360

aactctgttc atccagaggc gccccagaca attacggcgg ttgtaccacc tgctgagcca    420

gtggcgtaca ggcaacaacc catctggtgt tcccgccgaa cccgccgca              469


<210>   2048
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2048
aaaaaatgat acctattttt tgtataaatt ctcaaatatt gttagatttg taatatttac     60

aacaaaattc agtttttaca tgctaaaaaa caaggtaaca atttagaatt cataaaatat    120

aatgtaataa taattttttt aaagtttatg aagtttata aaaaattcaa tcaagatttc    180

tattctattt atacatctat ttttatatta aaaacagata ctcaaactaa ataatgtaaa    240

actgaatgtc actttctata acttttgtta aaaataatta gaacaaaact tttatttcgg    300

ttactatttc attgtcatat tattttatat aattattcat acaaaattat ttgttgtaaa    360

ttattttgta atgaaaattg tataaactat ttaaaaacac atcactaaat aactatatat    420

atatgatata tagatttata gatataatta tctacacaaa tataaattta gtaataaata    480
```

```
aatttcatat attttatcca atgggttggt actgaaatgt aattaaataa ttatatttaa    540

ttatatata                                                            549
```

```
<210>  2049
<211>  538
<212>  DNA
<213>  Ctenocephalides felis

<400>  2049
atttattgta tcttgtgtat cagagttaat ttaataaaag atatgaagaa tattttttctc    60

gaatttaaaa gggtaaattt attatttaat ttaatgtaat ataattattt aaaataataa   120

attagtaatg aaatgttatt cgtttttaaa gttatctagt tttttttagaa ataaatttaa   180

tttattatat ttaaatattt atattaattt attaaatata gatattttaa atataaaata   240

tttttaggga taagcttaaa aataaattat tataaattaa taaattattt ataaatttat   300

agggttataa atattcatta atataaaaat gttataattt atttataaat aaattaaaat   360

ttagtagatt ttaaattttt tataaaaata atatttaaaa ttataaaaaa tatgaaataa   420

tgattaaatt agtataatat aatttattga taatattaaa ttgtaggtta tttaaggatt   480

cggcaaatat aatattccct gttaacaaaa ctgctttttga aatatataaa gctaatct    538
```

```
<210>  2050
<211>  513
<212>  DNA
<213>  Ctenocephalides felis

<400>  2050
gaattattaa ctgtcttaat aaaattgtta tagaatttaa tttttatgtt aaaaagcgta    60

aatattatta aaggacgaga agacccttta aagttttata tataaatata gattaatttt   120

aagaatatta ttaaatttat ttatattaat atattttatt ggggtgatag gaaaatttat   180

aaaacttttt tttattaaaa cataaataat tgaataattg atccataaat tatgattaaa   240

agattaagtt acttaaggga taacagcgta attattttta agagaacata tcgacaaaat   300

agattgcgac ctcgatgttg gattaagata attttaaaat gcagaagttt taaaatttgg   360

tctgttcgac cattaattct tacatgatct gagttcaaac cggtttaagc caggttggtt   420

tctatcctta attttttaaa attaattagt cgaaaggcca ttaatttata ataattattt   480

taatttgaat aaaattaaaa aaaaaaaaa aaa                                  513
```

```
<210>  2051
<211>  289
<212>  DNA
```

<213> Ctenocephalides felis

<400> 2051

```
cctggtccca attgggcaac ttagtccgtg aagtcggaaa atgcgcaagg ggagccttga      60

aagaatttag ggacaactta gtacaagtcc gtaaagactg tgccgactgc ttaaaactta     120

ctgataacta aattagttta agaattgtat aacaaactgt aaacttccta aaaatgtcta     180

gtgatatatt atttgtggtc taatggttct agcttatgta gcttttttgac aaataaaaat    240

tgtttataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa               289
```

<210> 2052
<211> 459
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (5)..(5)
<223> n = unknown

<400> 2052

```
cacanataat atatcactag acatttttag gaagtttaca gtttgttata caattcttaa      60

actaatttag ttatcagtaa gttttaagca gtcggcacag tctttacgga cttgtactaa     120

gttgtcccta aattctttca aggctcccct tgcgcatttt ccgacttcac ggactaagtt     180

gcccaattgg gaccaggttt ctttgagtgc cttggccaag tcttttgctc cttcgtgggc     240

agcttggaga accctttca agcaaactct ggcttcatcg acatcggctg cggtcacaac     300

gcattccttg gcttgtgctc tgagggcttc ggcgttctcc ctggcttctc tccaggcggc     360

caagccattt tggcgaactt ggttgaattc atcacgtttg tcatctctgc aagccttgac     420

ttagcacggc ttcttgtgcg tagcctagag ctttttggt                          459
```

<210> 2053
<211> 546
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (33)..(34)
<223> n = unknown

<400> 2053

```
gttttttaat tgaaagctgg aatgaatgat tgnntgaaat attaactgtc ttaataaaat      60

tgttatagaa tttaattttt atgttaaaaa gcgtaaatat tattaaagga cgagaagacc     120
```

```
ctttaaagtt ttatatataa atatagatta attttaagaa tattattaaa tttatttata      180

ttaatatatt ttattggggt gataggaaaa tttataaaac tttttttttta ttaaaacata      240

aataattgaa taattgatcc ataaattatg attaaaagat taagttactt aagggataac      300

agcgtaatta tttttaagag aacatatcga caaaatagat tgcgacctcg atgttggatt      360

aagataattt taaaatgcag aagtttttaaa atttggtctg ttcgaccaat aattcttaca      420

tgatctgagt tcaaaccggt ttaagccagg tggttctatc cttaattttt taaaattaat      480

tagtcgaaag gccattaatt ataataatta ttttaatttg aataaaataa aaaaaaaaaa      540

aaaaaa                                                                  546
```

```
<210>   2054
<211>   549
<212>   DNA
<213>   Ctenocephalides felis
```

```
<400>   2054
atcagattct ttcttggacc tgtaaatact ccgcataaat tacaaaatgt cttcatcagt       60

tctaccagaa gaaaatccaa tctatggacc tttctttgga gtcatgggcg cagcgtcggc      120

tatcattttc agcgcactgg gtgccgcata tggaacagcc aagtccggca ctggtatcgc      180

cgctatgtcc gtgatgagac ctgaattgat catgaaatca atcattccag ttgttatggc      240

tggtatcatt gctatctacg gcctggttgt tgcggtactg attgcgggtg ctctggagga      300

accaaaaacc tactcacttt ataagggctt catacatctc ggcgctggtt tggccgtagg      360

attttccggc ttggcggcgg gttttgcgat tggaatcgtt ggtgatgctg gagtacgagg      420

aacagcccaa caacctcgtc tgttgtggaa tgatcttgat cctgatcttc gctgaagtat      480

tgggtctata tggcttatcg agccatctac ctctacacca aataaacaaa tattatggat      540

ttcaagatc                                                             549
```

```
<210>   2055
<211>   549
<212>   DNA
<213>   Ctenocephalides felis
```

```
<220>
<221>   misc_feature
<222>   (496)..(496)
<223>   n = unknown
```

```
<400>   2055
gttttatttta atttattgtt gccgcccgtg ttaaattaag taaacttttt caagatgatg       60

cccgcacttg cagacccagt ggctttcgcc aaggatttcg ccgcaggtgg tatttctgcc      120
```

```
gcagtctcta agactgtggt agcacccatc gaacgtgtca aattgctcct gcaagtacaa      180

cacatttcca aacaaattgc tgaggataaa cgttacaaag gtatcatcga ttgctttgta      240

cgtatcccta aggagcaggg cgtactttcc ttctggcgtg gtaacttggc caatgtcatt      300

cgttatttcc caactcaggc tttgaacttc gcattcaaag acaagtacaa gcaagttttc      360

ttgggtggag ttgacaagaa gacccaattc tggcgttact cgcaggaaa cttggcatct      420

ggtggtgctg tggagccaca tcattgtgct tcgtctaccc acttgatttc gccgaccaga      480

tggccgtgat gtagtnaagc gctggcaacg tgaatcttgg atggcaactg ttgaccaaat      540

ctcaatctg                                                             549
```

```
<210>    2056
<211>    538
<212>    DNA
<213>    Ctenocephalides felis

<400>    2056
tttttttaga aataaattta atttattata tttaaatatt tatattaatt tattaaatat       60

agatattta aatataaaat attttaggg ataagcttaa aaataaatta ttataaatta      120

ataaattatt tataaattta tagggttata aatattcatt aatataaaaa tgttataatt      180

tatttataaa taaattaaaa tttagtagat tttaaatttt ttataaaaat aatatttaaa      240

attataaaaa atatgaaata atgattaaat tagtataata taatttattg ataatattaa      300

attgttaggt ttatttaagg aattcggcaa atataatatt cacctgttta acaaaaacat      360

gtcttttga aaataatata aagtctaatc tgcccattga agatttaaaa ggccgcagta      420

atttgactgt gcaaaggtag cataatcaat agttttttaa ttgaaagctg gaatgaatga      480

ttgaatgaaa tattaactgt cttaataaaa tggtatagaa ttaatttat gtaaaagc        538
```

```
<210>    2057
<211>    549
<212>    DNA
<213>    Ctenocephalides felis

<400>    2057
gccggaatac gtttgccgac acgcccgtac aacaaaaatg agttctttga ccttatatca       60

ttttgcacca agttttccgt cacgagcagc gctgttaact attagagcac taaatcttaa      120

ggttgatata aaagaagtaa atctgtttgc taaagaacaa tttaaaccag aattttttgaa      180

gattaaccca caacattgtg ttccaacatt agatgacaat ggtttcgttc tttgggaaag      240

tcgggctata gctacttact ggtccaggc ttatgggggt gaaaaatata gttccttgta      300
```

```
tcctcaagct gctaaagaaa aagcagttgt tgatcagaga ttatactttg atgctggagt    360

tttatttcct agaattcgag ccatttgctt tcctattcta tttttgggag aaactacgat    420

ttcacaagac aaaaaagacc aactaaatga agcatttggt atctagacgg tttcttgcaa    480

acaaagtggg tagctggaga caactttccg agcagataat gcattctggc ttgttctagc    540

atcaagctg                                                           549
```

```
<210>    2058
<211>    500
<212>    DNA
<213>    Ctenocephalides felis

<400>    2058
aattatttaa ggttaagtta atttgcaacg tcttaagcac tattattttg ataaaaatga     60

atgaaaagtc agaaaatcca tttcaaaccc aatctgattt caattacctt cctcttcttg    120

ttggaataac tgtagttttc gtcacattaa ttttattcct tctgtggcaa agaagaaaag    180

gtgctcgaag ggatatattg ataactggac ttagcgatgc tgggaaaact ttgttgtatt    240

cacagctggt ccattcacag tcaaaagata ctcatacttc aattgctgtt aatgtcgatg    300

aatacatcac aaagaatgcg tcagtaagag ttgtggatat tcctggacat gaaagattac    360

gtggaagatt ttttgatgat tcaaagattc agcacgaggt attgtgtttg ttgttgattc    420

caccactttg cataaagaca ttcgtgatgt agctgagtac ttgacacgat ctttctgata    480

aatcagtact tctaatgctc                                               500
```

```
<210>    2059
<211>    545
<212>    DNA
<213>    Ctenocephalides felis

<400>    2059
attctctttg gatcttgatc atgttaaagt tgctttaacg gcattggctc gtatgcatgc     60

aagttgcatt atctacgaga agaaaaaaaa ttgttgcatg gggagagttt acaaagatct    120

tatgttcgag actatggcca ataataatca atggtggagg actggagagg atactgcttt    180

agcaattgct gaggaatctg agaaattcgg taaatatacc gaataccatt ccatggtaca    240

ggagaagtta attgatttcc tgagattggc atggtctatg gtaaaaccat cgcgcattta    300

taaaaatgtg gtatgccacc gcgatacgcg caatcacaat ttgatgttca aatataattc    360

aactggtcta cctgaacaat gcatcttggt cgatttccaa agatgcacct acaatccacc    420

agctttggat ttcaatcatc ttctatatca gacaacatct agaagcttta gagaccagca    480

ctccaggaat tgaagaggtc tacagagcag catttgagaa aacattcgaa ggaaaatttg    540
```

```
gatgt                                                                    545


<210>  2060
<211>  501
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (471)..(471)
<223>  n = unknown

<400>  2060
cttaataaaa ttgttataga atttaatttt tatgttaaaa agcgtaaata ttattaaagg       60

acgagaagac cctttaaagt tttatatata aatatagatt aattttaaga atattattaa      120

atttatttat attaatatat tttattgggg tgataggaaa atttataaaa cttttttttt      180

attaaaacat aaataattga ataattgatc cataaattat gattaaaaga ttaagttact      240

taagggataa cagcgtaatt attttttaaga gaacatatcg acaaaataga ttgcgacctc      300

gatgttggat taagataatt ttaaaatgca gaagttttaa aatttggtct gttcgaccat      360

taattcttca tgatctgagt tcaaaccggt ttaagccagg ttggtttcta tccttaattt      420

tttaaaatta attagtcgaa aggccattaa tttataataa ttatttaatt ngaataaaat      480

taaaaaaaaa aaaaaaaaaa a                                                 501


<210>  2061
<211>  496
<212>  DNA
<213>  Ctenocephalides felis

<400>  2061
gaccattctg ctgaactgtg tctagcaggc cattttttgac agtgggttcg ctagtttagt       60

gaagtgagtg tgtgaagata cttcaatcag attctttctt ggacctgtaa atactccgca      120

taaattacaa aatgtcttca tcagttctac cagaagaaaa tccaatctat ggacctttct      180

ttggagtcat gggcgcagcg tcggctatca ttttcagcgc actgggtgcc gcatatggaa      240

cagccaagtc cggcactggt atcgccgcta tgtccgtgat gagacctgaa ttgatcatga      300

aatcaatcat tccagttgtt atggctggta tcattgctat ctacggcctg gttgttgcgg      360

tactgattgc gggtgctctg gaggaaccaa aaacctactc actttataag ggcttcatac      420

atctcggcct ggtttgccga ggattttccg gcttgcggcg gttttgcgat tggaatcgtg      480

gtgatgctgg agtcca                                                      496


                              Page 1280
```

```
<210>  2062
<211>  549
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (510)..(510)
<223>  n = unknown

<400>  2062
gtctccagac cctgctatat cgggtcgagt ttgcaaaaga gttttatttta atttattgtt      60

gccgcccgtg ttaaattaag taaacttttt caagatgatg cccgcacttg cagacccagt     120

ggctttcgcc aaggatttcg ccgcaggtgg tatttctgct gcagtctcta agactgtggt     180

agcacccatc gaacgtgtca aattgctcct gcaagtacaa cacatttcca aacaaattgc     240

tgaagataaa cgttacaaag gtatcatcga ttgctttgta cgtatcccta aggagcaggg     300

cgtactttcc ttctggcgtg gtaacttggc caatgtcatt cgttatttcc caactcaggc     360

tttgaacttt gcattcaaag acaagtacaa gcaagttttc ttgggtggag ttgacaagaa     420

gacccaattc tggcgttact tcgcaggaaa cttggcatct ggtggtgctg tggaccacat     480

cattgtgctt cgtctaccca cttgattttn ccgtccagat ggccgtgatg aagtaaaggc     540

ctgtcaacg                                                            549


<210>  2063
<211>  549
<212>  DNA
<213>  Ctenocephalides felis

<400>  2063
agaccctgct atatcgggtc gagtttgcaa aagagtttta tttaatttat tgttgccgcc      60

cgtgttaaat taagtaaact ttttcaagat gatgcccgca cttgcagacc cagtggcttt     120

cgccaaggat ttcgccgcag gtggtatttc tgccgcagtc tctaagactg tggtagcacc     180

catcgaacgt gtcaaattgc tcctgcaagt acaacacatt tccaaacaaa ttgctgagga     240

taaacgttac aaaggtatca tcgattgctt tgtacgtatc cctaaggagc agggcgtact     300

ttccttctgg cgtggtaact tggccaatgt cattcgttat ttcccaactc aggctttgaa     360

cttcgcattc aaagacaagt acaagcaagt tttcttgggt ggagttgaca agaagaccca     420

attctggcgt tacttcgcag gaaacttggc atctggtggt gctgtggacc acatcattgt     480

gcttcgctac ccacttgatt tcgccgtcca gatggccgtg atgtaggtaa gcctggcaac     540

gtgaatctt                                                            549
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```
<210>  2064
<211>  549
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (490)..(490)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (522)..(522)
<223>  n = unknown

<400>  2064
cgaatttaaa agggtaaatt tattatttaa tttaatgtaa tataattatt taaaataata      60

aattagtaat gaaatgttat tcgttttttaa agttatctag tttttttaga aataaattta     120

atttattata tttaaatatt tatattaatt tattaaatat agatatttta aatataaaat     180

atttttaggg ataagcttaa aaataaatta ttataaatta ataaattatt tataaattta     240

tagggttata aatattcatt aatataaaaa tgttataatt tatttataaa taaattaaaa     300

tttagtagat tttaaatttt ttataaaaat aatatttaaa attataaaaa atatgaaata     360

atgattaaat tagtataata taatttattg ataatattaa attgttaggt ttatttaagg     420

aattcggcaa atataatatt ccctgtttaa caaaaacatg ctttttgaaa ataatataaa     480

gtctaatctn ccatgaagat taaaagccgc gtaatttgct gngcaaggag catatcaata     540

gtttttaat                                                             549


<210>  2065
<211>  502
<212>  DNA
<213>  Ctenocephalides felis

<400>  2065
tttttctcga atttaaaagg gtaaatttat tatttaattt aatgtaatat aattatttaa      60

aataataaat tagtaatgaa atgttattcg tttttaaagt tatctagttt ttttagaaat     120

aaatttaatt tattatattt aaatatttat attaatttat aaatataga tattttaaat      180

ataaaatatt tttagggata agcttaaaaa taattatta taaattaata aattatttat      240

aaatttatag ggttataaat attcattaat ataaaaatgt tataatttat ttataaataa     300

attaaaattt agtagatttt aaattttta taaaaataat atttaaaatt ataaaaaata     360

tgaaataatg attaaattag tataatataa tttattgata atattaaatt gttaggttta     420
```

```
tttaaggaat tcggcaaata taatattccc tgttaacaaa aacatgtctt tttgaaaata    480

atataaagtc taatctgcca tg                                            502
```

```
<210>   2066
<211>   496
<212>   DNA
<213>   Ctenocephalides felis

<400>   2066
gaccattctg ctgaactgtg tctagcaggc catttttgac agtgggttcg ctagtttagt     60

gaagtgagtg tgtgaagata cttcaatcag attctttctt ggacctgtaa atactccgca    120

taaattacaa aatgtcttca tcagttctac cagaagaaaa tccaatctat ggacctttct    180

ttggagtcat gggcgcagcg tcggctatca ttttcagcgc actgggtgcc gcatatggaa    240

cagccaagtc cggcactggt atcgccgcta tgtccgtgat gagacctgaa ttgatcatga    300

aatcaatcat tccagttgtt atggctggta tcattgctat ctacggcctg gttgttgcgg    360

tactgattgc gggtgctctg gaggaaccaa aaacctactc actttataag ggcttcatac    420

atctcggcct ggtttgccga ggattttccg gcttgcggcg gttttgcgat tggaatcgtg    480

gtgatgctgg agtcca                                                   496
```

```
<210>   2067
<211>   549
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (510)..(510)
<223>   n = unknown

<400>   2067
gtctccagac cctgctatat cgggtcgagt ttgcaaaaga gttttatttta atttattgtt    60

gccgcccgtg ttaaattaag taaacttttt caagatgatg cccgcacttg cagacccagt    120

ggctttcgcc aaggatttcg ccgcaggtgg tatttctgct gcagtctcta agactgtggt    180

agcacccatc gaacgtgtca aattgctcct gcaagtacaa cacatttcca acaaattgc     240

tgaagataaa cgttacaaag gtatcatcga ttgctttgta cgtatcccta aggagcaggg    300

cgtactttcc ttctggcgtg gtaacttggc caatgtcatt cgttatttcc caactcaggc    360

tttgaacttt gcattcaaag acaagtacaa gcaagttttc ttgggtggag ttgacaagaa    420

gacccaattc tggcgttact tcgcaggaaa cttggcatct ggtggtgctg tggaccacat    480
```

```
cattgtgctt cgtctaccca cttgatttttn ccgtccagat ggccgtgatg aagtaaaggc    540

ctgtcaacg                                                             549
```

```
<210>  2068
<211>  549
<212>  DNA
<213>  Ctenocephalides felis

<400>  2068
agaccctgct atatcgggtc gagtttgcaa aagagtttta tttaatttat tgttgccgcc     60

cgtgttaaat taagtaaact tttttcaagat gatgcccgca cttgcagacc cagtggcttt    120

cgccaaggat ttcgccgcag gtggtatttc tgccgcagtc tctaagactg tggtagcacc    180

catcgaacgt gtcaaattgc tcctgcaagt acaacacatt tccaaacaaa ttgctgagga    240

taaacgttac aaaggtatca tcgattgctt tgtacgtatc cctaaggagc agggcgtact    300

ttccttctgg cgtggtaact tggccaatgt cattcgttat ttcccaactc aggctttgaa    360

cttcgcattc aaagacaagt acaagcaagt tttcttgggt ggagttgaca agaagaccca    420

attctggcgt tacttcgcag gaaacttggc atctggtggt gctgtggacc acatcattgt    480

gcttcgctac ccacttgatt tcgccgtcca gatggccgtg atgtaggtaa gcctggcaac    540

gtgaatctt                                                             549
```

```
<210>  2069
<211>  549
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (490)..(490)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (522)..(522)
<223>  n = unknown

<400>  2069
cgaatttaaa agggtaaatt tattatttaa tttaatgtaa tataattatt taaaataata     60

aattagtaat gaaatgttat tcgttttttaa agttatctag ttttttttaga aataaattta    120

atttattata tttaaatatt tatattaatt tattaaatat agatattttta aatataaaat    180

attttaggg ataagcttaa aaataaatta ttataaatta ataaattatt tataaattta     240

tagggttata aatattcatt aatataaaaa tgttataatt tatttataaa taaattaaaa    300
```

```
tttagtagat tttaaatttt ttataaaaat aatatttaaa attataaaaa atatgaaata    360

atgattaaat tagtataata taatttattg ataatattaa attgttaggt ttatttaagg    420

aattcggcaa atataatatt ccctgtttaa caaaaacatg cttttttgaaa ataatataaa    480

gtctaatctn ccatgaagat taaaagccgc gtaatttgct gngcaaggag catatcaata    540

gtttttaat                                                            549
```

```
<210>  2070
<211>  502
<212>  DNA
<213>  Ctenocephalides felis

<400>  2070
tttttctcga atttaaaagg gtaaatttat tatttaattt aatgtaatat aattatttaa    60

aataataaat tagtaatgaa atgttattcg tttttaaagt tatctagttt ttttagaaat    120

aaatttaatt tattatattt aaatatttat attaatttat taaatataga tattttaaat    180

ataaaatatt tttagggata agcttaaaaa taaattatta taaattaata aattatttat    240

aaatttatag ggttataaat attcattaat ataaaaatgt tataatttat ttataaataa    300

attaaaattt agtagatttt aaattttttta taaaaataat atttaaaatt ataaaaaata    360

tgaaataatg attaaattag tataatataa tttattgata atattaaatt gttaggttta    420

tttaaggaat tcggcaaata taatattccc tgttaacaaa aacatgtctt tttgaaaata    480

atataaagtc taatctgcca tg                                             502
```

```
<210>  2071
<211>  546
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (24)..(24)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (40)..(40)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (83)..(83)
<223>  n = unknown

<400>  2071
tatggttcat tacacagaat tcgngcaaag aacactgttn tggcgactgg tggttatgga    60
```

```
cgagcatatt tttcatgcac ttnagcacat acctgcacag gtgatggcac cggtatggta    120

gccagagctg gattaccagc acaagattta gaatttgtgc agttccatcc tacaggtatt    180

tatggagctg gctgtttaat tactgaagga tgcagaggtg aaggtggatt tttggtaaat    240

tctcaaggag agagatttat ggaacgatat gcacctgttg caaaagattt ggccagtaga    300

gatgtggttt ctagatcaat gacaattgaa atcaatgaag gtcgcggtgt aggacctgag    360

aaagatcatg ttttattgca attacatcac ttaccagctg aacaattagc gagcagactt    420

cctggtattt ctgagacagc tatgatattt tgtggtgtga tgttactcgt gagccaatcc    480

cgtttaccac agtgcattat atatgggagg agtaccccaa atacaaggac agtcttaata    540

tgtgtg                                                               546
```

```
<210>   2072
<211>   541
<212>   DNA
<213>   Ctenocephalides felis

<400>   2072
attttcaaaa tggtgtccaa agtgtttgtt gctcttgcca tcattggctt tattggggct     60

gcccaagcct ttttcgatca agatgctgtc ttagataaga tggtagatga catttctgct    120

gaatatgaaa acagcattgc aagaattagc caagacagca aaattgatat gattgctgca    180

gaattcgaaa acaaggatt tgcccctgaa gtcgatagag atttggaaag gttcaacaaa    240

gaagttgaaa ggaaacttag caaaaaagtg agtgaagccg caaaggaatg ccttaaaggc    300

caacaccaaa aagctctagg ctacgcacaa gaagcccgtg ctaaggtcaa agcttgcagg    360

gatgataaac gtgatgaatt caaccaagtt cgccaaaatg gcttgccgct ggagagaagc    420

cagggagaac gccgaagccc tcagagcaca agccaaggag tgcgtgtgac cgccgccgtg    480

tcatgaacca gagcttgttg aagagtcctc cagctgccgc gaagactaag acttggcaag    540

g                                                                   541
```

```
<210>   2073
<211>   482
<212>   DNA
<213>   Ctenocephalides felis

<400>   2073
cttaacctta cgaatactta gattttcttt aagaaaatct tctatctaag aagaaagcaa     60

attcaagttg atgcattatt ctccggaatt gttagagaat ctgaacaacg gttcgttgtt    120

cttcagctac gaatacaacc ggcactgtaa agggtctttg aagaaactgg ctcggaagct    180
```

```
gctccacgtt aggacggccg tgctgaagat tgggaacaag taaagattac caggaaaggg    240

aaacgatgat gaccaggaac agaattatac cgcatcttag ccaacgtctt cggacatcat    300

gtcaacatca ttcatcacaa atatcatcgc agtttaggta gtaatagtta acactttagg    360

ataggaaata agcttaaaga agggaacaag accatgatct tggaataact gttttctgat    420

tttcgtaatt gaaaataaaa gaaatactga aggggtacat gttcctgtac catcaaaata    480

tg                                                                   482
```

```
<210>    2074
<211>    508
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (16)..(16)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (28)..(28)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (32)..(32)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (121)..(121)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (197)..(197)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (321)..(321)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (456)..(456)
<223>    n = unknown

<400>    2074
tcattttcaa aatggngtcc aaagtgtngg tngctcttgc catcattggc tttataggg     60

ctgcacaagc cttttttcgaa caagatgccg tcttagataa gatggtagat gacatctctg    120
```

```
ntgaatatga gaacagcatt gcaagaatta gccaagatag caaaattgat atgattgccg      180

ctgaattcga aaaacangga tttgcccctg aagtcgatag agatttggag aggttcaaca      240

aagaagttga aaggaaactt agcaaaaaag tgagtgaagc cgcaaaggaa tgccttaaag      300

gccaacacca aaaagctcta ngctacgcac aagaagcccg tgctaaggtc aaggcttgca      360

gagatgacaa acgtgatgaa ttcaaccaag ttcgcaaaat ggcttgccgc tggagagaac      420

cagggagaac gccgaagccc tcagagcaca agccanggag tgcgttgtga ccgagcgtgt      480

cgatgaacca gagtttgctt gaaggggt                                        508
```

```
<210>  2075
<211>  404
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (355)..(355)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (358)..(358)
<223>  n = unknown

<400>  2075
gaattcaaaa ccaaattcgg aagagataaa ccaacattcg atactgaaat cattttagt       60

tgccgttccg gaaaacgagc aaaggaagct atggaaacag cattgggatt gtgttacaag      120

aaatcaagat actacgaagg tagcttttta gaatggagca gcaagcagaa gaaacagtga      180

aattgcaggg ttaatcaaat attttatatg atacacatat tatttacaga tatgatcaaa      240

ctaagtatta cttgcgtgtg ttatattagc atattaatat tttcttatga aatgttctta      300

agatgatttt aaatattgtt aaataaaatt tgtatacttt ttagatatgc accanatnaa      360

ttaaaataaa aatctttaca ttcctaaaaa aaaaaaaaaa aaaa                        404
```

```
<210>  2076
<211>  549
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (538)..(538)
<223>  n = unknown

<400>  2076
```

```
ctcctttttgc gaaggttgaa atattttaat tcgtgatatt tcaccaagtg actaaaatga      60

aagctgtaat attttttggtg gccatctcga ttgtccaatg ggcaaactgt gattaccatc     120

caccaccttta cgcattttct cagtacagac caggatattc ttctgtgggc caatattata     180

agcctgagat ttttggacca aatgcaatca gtaccaacaa tagtcatcac tttcaagtag     240

gatacccaag ttatggaaac gttttgctgt accgtcaagt ccaatccaag agtggaaact     300

ttttcaggaa agctactaga gaggtgtcat ttccaccagt gggatcgaga ataatcgca      360

caattagctg tgttcgtgcc ctggaccaat atgtaaatgg caaggaggct atgccactct     420

tgtcaatggt ggagttggct ggaaaaatgt aactttactc ctatcttctc agactggcaa     480

aggatttaac ttttagtgaa atttggggat ttagattaga aattaatgaa atgtgatntg     540

aaaaaaatt                                                              549
```

```
<210>   2077
<211>   549
<212>   DNA
<213>   Ctenocephalides felis
```

```
<400>   2077
atttactaaa tattgtgaaa taaatcattt tcaaaatggt gtccaaagtg tttgtcgttc      60

ttgccatcat tggctttatt ggggctgccc aagccttctt cgatcaagat gccgtcttag     120

ataagatggt agatgacatc tctgctgaat atgaaaacag cattgcaaga attagccaag     180

atagcaaaat tgaaatgatt gctgctgaat tcgaaaaaca aggatttgcc cctgaagtcg     240

atagagattt ggaaaggttc aacaaagaag ttgaaaggaa acttagcaaa aaagtgagtg     300

aagccgcaaa ggaatgcctt aaaggccaac accaaaaagc tctaggtttt gcacaagaag     360

ctcgtgctaa ggtcaaggct tgcagggatg ataaacgtga ggaattcaac caagttcgcc     420

aaaatggctt gccgctggag agaagccagg gagacgccga accctcagag cacaagccaa     480

ggagtgcgtt gtaccgcacc gtgtcgatga accagacttg ttgaagatgt ccttcagctg     540

ccgtgaaga                                                              549
```

```
<210>   2078
<211>   470
<212>   DNA
<213>   Ctenocephalides felis
```

```
<220>
<221>   misc_feature
<222>   (21)..(21)
<223>   n = unknown
```

```
<220>
<221>  misc_feature
<222>  (59)..(59)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (65)..(65)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (86)..(86)
<223>  n = unknown

<400>  2078
atagaattta attttatgt naaaaagcgt aaatattatt aaaggacgag aagaccctnt      60

aaagntttat atataaatat agattnattt taagaatatt attaaattta tttatattaa     120

tatattttat tggggtgata ggaaaattta taaaacttt ttttattaa aacataaata      180

attgaataat tgatccataa attatgatta aaagattaag ttacttaagg gataacagcg     240

taattatttt taagagaaca tatcgacaaa atagattgcg acctcgatgt tggattaaga    300

taatttaaa atgcagaagt tttaaaattt ggctgttcga ccattaattc ttacatgatc      360

tgagttcaaa ccggttaagc caggttggtt ctatccttaa tttttaaaat taattagtac    420

gaaaggcctt aatttatata attatttaa ttgaataaat aaaaaaaaaa                 470


<210>  2079
<211>  508
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (156)..(156)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (363)..(363)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (449)..(449)
<223>  n = unknown

<400>  2079
accacccccag tattcaaata ctgtcactgt cagcgttaga ccaccgcctc cacctgtgcc    60

aattagaaca tcaacaaacc ctgattatca tcggaataca atttctcatg atgaaatgga    120
```

```
tgcagggcat aggtctcaac caaacagcct ttcagnaaat ggatcacatg ctaatgacag      180

tctgcgaagg catactggtg aatatgcata cacttcaggt tgggggccta gtcgtttaga      240

tggaggtcgt gcgactttgt tgcatttgtc tgacacaaga gaaacttcag atacaccaaa      300

tggtagtgac aataccacac caaatgccat aaaaaataat agaaggaatg gcatgttcaa      360

ttntcttcgt cctaataaat acaggcgcca atctaacaca taatgaatca ccaaggtaat      420

ggaagaatta gcatgccaaa taaaactcnt taataagtgg atgttatgtt aaagaattaa      480

ttaagaatat atttcaagta taccaaaa                                         508
```

<210> 2080
<211> 549
<212> DNA
<213> Ctenocephalides felis

<400> 2080
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cttcaatcag attctttctt ggacctgtaa atactccgca taaattacaa aatgtcttca       60

tcagttctac cagaagaaaa tccaatctat ggacctttct ttggagtcat gggcgcagcg      120

tcggctatca ttttcagcgc actgggtgcc gcatatggaa cagccaagtc cggcactggt      180

atcgccgcta tgtccgtgat gagacctgaa ttgatcatga aatcaatcat tccagttgtt      240

atggctggta tcattgctat ctacggcctg gttgttgcgg tactgattgc gggtgctctg      300

gaggaaccaa aaacctactc actttataag ggcttcatac atctcggcgc tggtttggcc      360

gtaggatttt ccggcttggc ggcgggtttt gcgattggaa tcgtggtgat gctggagtac      420

gaggaacagc ccacaacctc gtctgttgtg gaatgatctt gatcctgatc ttcgctgaag      480

tattgggtct atatggctta tcgaaccatc taccttacac caaataaaca aattattatg      540

gatttaaga                                                             549
```

<210> 2081
<211> 515
<212> DNA
<213> Ctenocephalides felis

<400> 2081
```
ctcgaattta aagggtaaa tttattattt aatttaatgt aatataatta tttaaaataa       60

taaattagta atgaaatgtt attcgttttt aaagttatct agttttttta gaaataaatt      120

taatttatta tatttaaata tttatattaa tttattaaat atagatattt taaatataaa      180

atattttttag ggataagctt aaaaataaat tattataaat taataaatta tttataaatt     240

tatagggtta taaatattca ttaatataaa aatgttataa tttatttata aataaattaa      300

aatttagtag attttaaatt ttttataaaa ataatatttta aaattataaa aaatatgaaa     360
```

```
taatgattaa attagtataa tataatttat tgataatatt aaattgttag gtttatttaa        420

ggaattcggc aaatataata ttccctgtta acaaaactgt cttttgaaat aatataagtc        480

taatctgccc atggagatta aaaggcgcag aattg                                   515


<210>   2082
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2082
ttaacgttat tcgccataat gaagttgttg gtgttattcg caactctagc cgtaggccta         60

tgcctaggtg aaaaagttat attcaataac tataaagttt atagagtaat tgctgacaac        120

ttcgaacaag ttgaggttct gaagaatttg gaaaaggact ctgatgcgta caatttctgg        180

acccatgttg gagccccagg caaaaatgta gacatcatgg tacccccaca caaacttgag        240

gatttcgaaa gcacgatgca ataccataga ataaaccaca gtgtaatgag cgatgacgtc        300

cagaaagata tcgacctaga agtttttggt acaagtagag aagcttacag ttggaccaag        360

tatcaagatc ttgaaacaac ctatgcatgg atggacagct taccaaggca cacccaggaa        420

aagtcactgt tctcaccatt ggcaaaactt ttgagggaag agacatcaag ggagtcaaga        480

tttcattcgg actgcaacca ggcgtattat tgcgctggat cacgcccgcg atggtccact        540

gcactgcct                                                               549


<210>   2083
<211>   548
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (101)..(101)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (123)..(123)
<223>   n = unknown

<400>   2083
taattgaaag ctggaatgaa tgattgaatg aaatattaac tgtcttaata aaattgttat         60

agaatttaat ttttatgtta aaaagcgtaa atattattaa nggacgagaa gaccctttaa        120

agntttatat ataaatatag attaatttta agaatattat taaatttatt tatattaata        180

tattttattg gggtgatagg aaaatttata aaactttttt tttattaaaa cataaataat        240
```

```
tgaataattg atctataaat tatgattaaa agattaagtt acttaaggga taacagcgta    300

attatttta agagaacata tcgacaaaat agattgcgac ctcgatgttg gattaagata    360

attttaaaat gcagaagttt taaaatttgg tctgttcgcc attaattctt acatgatctg    420

agttcaaacc ggtttaagcc aggtggttct atccttaatt ttttaaaatt aattagtacg    480

aaaggccatt aatttataat aattatttta attgaataaa ataaaaaaaa aaaaaaaaa    540

aaaaaaaa                                                            548
```

```
<210>  2084
<211>  549
<212>  DNA
<213>  Ctenocephalides felis
```

```
<400>  2084
attaatacgt tgcaccgtag ctctaaagtg acgttacaat gtcgggaggc ttggatgttc    60

ttgccctacg ggaagatgat gttaccaaaa tgttagccgc atgcacccat cttggcagcg    120

aaaatgtgaa cttccagatg gagcaatatg tgtacaaacg ccgtgctgat ggagtacatg    180

taatcaactt acgtcgcaca tgggagaagc ttttgttggc tgctcgtgct attgttgcta    240

ttgagcatcc agctgatgtc ttcgttattt cctccagacc tcaaggacaa cgtgcagtat    300

tgaagttcgc caactatact ggtgctactc caattgctgg acgtttcact cctggtgcct    360

tcactaatca gattcaagct gcattccgtg aaccacgttt gctgttgtac tgatcctcac    420

tccgatcacc aacccatcac tgaggcttca tatgtgaaca ttctgtattg cattcaccac    480

actgattctc cattgaaatt tgtgtattga attcatgcaa cacaagtcca accatcccgt    540

gggttgatg                                                           549
```

```
<210>  2085
<211>  549
<212>  DNA
<213>  Ctenocephalides felis
```

```
<220>
<221>  misc_feature
<222>  (406)..(406)
<223>  n = unknown
```

```
<400>  2085
attttcaaaa tggtgtccaa agtgtttgtt gctcttgcca tcattggctt tataggggct    60

gcacaagcct ttttcgaaca agatgccgtc ttagataaga tggtagatga catctctgct    120

gaatatgaga acagcattgc aagaattagc caagatagca aaattgatat gattgccgct    180
```

```
gaattcgaaa aacaaggatt tgcccctgaa gtcgatagag atttggagag gttcaacaaa    240

gaagttgaaa ggaaacttag caaaaaagtg agtgaagccg caaaggaatg ccttaaaggc    300

caacaccaaa aagctctagg ctacgcacaa gaagcccgtg ctaaggtcaa ggcttgcaga    360

gatgacaaac gtgatgaatt caaccaagtt cgccaaaatg gcttgncgct ggagagaagc    420

cagggagaac gccgaagccc tcagagcaca agccaaggat gcgttgtgac cgcagccgtg    480

tcgatgaacc agagtttgct tgaaagggtt ctcaagctgc cacgaaggac aaaagacttg    540

gcaagcctc                                                           549
```

```
<210>    2086
<211>    511
<212>    DNA
<213>    Ctenocephalides felis

<400>    2086
tccagaccct gctatatcgg gtcgagtttg caaaagagtt ttatttaatt tattgttgcc     60

gcccgtgtta aattaagtaa actttttcaa gatgatgccc gcacttgcag acccagtggc    120

tttcgccaag gatttcgccg caggtggtat ttctgctgca gtctctaaga ctgtggtagc    180

acccatcgaa cgtgtcaaat tgctcctgca agtacaacac atttccaaac aaattgctga    240

ggataaacgt tacaaaggta tcatcgattg ctttgtacgt atccctaagg agcagggcgt    300

actttccttc tggcgtggta acttggccaa tgtcattcgt tatttcccaa ctcaggcttt    360

gaactttgca ttcaaagaca agtacaagca aattttcttg ggtggagttg acaagaagac    420

ccaattctgg cgttacttcg caggaaactt ggcatctggt ggtgctgctg agccacatc     480

attgtgcttc gtctacccac ttgattcgcc g                                   511
```

```
<210>    2087
<211>    550
<212>    DNA
<213>    Ctenocephalides felis

<400>    2087
aataaaacaa tttaaaaacg aaaatggtct cgacgaaatt gtgtttgcaa ttttttgattg     60

ttgcatttgt cggatatacg acgagtgccc aacaatacac atgtctaacc gatggcgaaa    120

aagaaaccac aacatgcaaa ctcatcaacg aatgttacgt aatttacaac acaaagtcag    180

gaaccaccaa ctacggttgc ctaatcaaga tgacgaattc ccaaagaaac tactgtgcca    240

aaaatccaca catgtgcata acttgcactg gaaataattg caataccaaa gatttgatga    300

aaatgtgcat cacttgcacc tccaaggagg acgagagatg caccaccgat cctcagcaat    360

tggctaaaac ttctgtcagg ccttgcaatg gtgattgcat tacacatgtc cttccagatg    420
```

```
gtacaaatac aaggggttgt atgaaaccaa ctgatgctgt gatgatatga aatgccagga      480

gtgcaaaggt aacctttgta tgcgtgtttt cccaagaaat cgcagggttg aacgctaaag      540

atgatgcaag                                                             550
```

```
<210>  2088
<211>  228
<212>  DNA
<213>  Ctenocephalides felis

<400>  2088
gactgtgctg actgcttaaa acttactgat aactaaatta gtttagtaat tttataacaa       60

actgtaaatt gcttaaaatt gctttatgac cagctagttg tatattattt gtttttgatg      120

gtttttagttt ttttatgtaa cattttgaca aataaaaatt gcttataaaa ataaaaaaaa      180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa                    228
```

```
<210>  2089
<211>  529
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (23)..(23)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (29)..(29)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (50)..(50)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (118)..(118)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (121)..(121)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (138)..(138)
<223>  n = unknown
```

```
<220>
<221>  misc_feature
<222>  (143)..(143)
<223>  n = unknown

<400>  2089
tcattttcaa aatggtgtcc aangtgttng tcgttcttgc catcattggn tttattgggg      60

ctgcccaagc cttcttcgat caagatgccg tcttagataa gatggtagat gacatctntg     120

ntgaatatga aaacagcntt gcnagaatta gccaagatag caaaattgaa atgattgctg     180 .

ctgaattcga aaaacaagga tttgcccctg aagtcgatag agatttggaa aggttcaaca     240

aagaagttga aaggaaactt agcaaaaaag tgagtgaagc cgcaaaggaa tgccttaaag     300

gccaacacca aaaagctcta ggttttgcac aagaagctcg tgctaaggtc aaggcttgca     360

gggatgataa acgtgaggaa ttcaaccaag ttcgccaaaa tggcttgccg ctggagagaa     420

gccagggaga acgccgaagc cctcagagca caagccaagg agtgcgttgt ccgcaccgtg     480

tcgataagcc agacttgctt gaagatgtct tcagctgccg tgaagacca               529


<210>  2090
<211>  550
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (68)..(68)
<223>  n = unknown

<400>  2090
attaagtgta ttaaattctc caaatggagt ccaattccaa ggcgagactc ctttaccaca      60

atcattgnta aaggaattgt attccgtagc cctaggattg acatcggagc agagttctgc     120

cgaatgggac ggagtgagta aattaaatcc ttttcaatta cctaaagctg tagtcactgt     180

agttgtagaa ggcacagata aacttagttt ggactcgaag aacacttatc ctttggttgt     240

ggatgaggaa ttggataaca cttgggactc cttagataaa cgcttcaaag aacgttatcc     300

cttcgatgat ttgactcttg tgaacttgga attacctaat ggtaacgtta attctgagcg     360

tgtctttggt gttgtatcac ccaaaccggt caaagtgatt taccagagaa gtttgtgaaa     420

gacttgggtg tctcaacgct ttatctgcaa agtttggact aaccctgatg agcgccctac     480

ctgtcttctt ccgttatcac aattcaatcc ccgaaacccg ccaagccaaa cagactacca     540

agcctcaaac                                                           550


<210>  2091
```

<211> 484
<212> DNA
<213> Ctenocephalides felis

<400> 2091
```
tagaatttaa ttttttatgtt aaaaagcgta aatattatta aaggacgaga agacccttta      60

aagttttata tataaatata gattaatttt aagaatatta ttaaatttat ttatattaat     120

atattttatt ggggtgatag gaaaatttat aaaacttttt ttttattaaa acataaataa     180

ttgaataatt gatccataaa ttatgattaa aagattaagt tacttaaggg ataacagcgt     240

aattattttt aagagaacat atcgacaaaa tagattgcga cctcgatgtt ggattaagat     300

aattttaaaa tgcagaagtt ttaaaatttg gtctgttcga ccattaattc ttacatgatc     360

tgagttcaaa ccggtttaag ccaggttggt ttctatcctt aattttttaa aattaattag     420

tcgaaaggcc attaatttat aataattatt ttaatttgat aaaattaaaa aaaaaaaaaa     480

aaaa                                                                  484
```

<210> 2092
<211> 533
<212> DNA
<213> Ctenocephalides felis

<400> 2092
```
aaaacagata aaaaatacat aagcgatgtg taagcaaaga aattataaaa aaaataaaaa      60

ggaaatgtgt ttaatacaca cagaaagacg tttggaagta tgacattttt aaatattata     120

caatatatat aaaaactatc ttataattat aatataacta tcttataata gtttggtgta     180

aacgtataag aataatcatt aggttgtatt cacaaactaa aacttgatac aaacaactaa     240

tcatgaaata atacttattg ctaaatatgt gaatatccac cttaaatcta tattaataat     300

catatataat aacaatatta ataatatatt tatcaatctt taatcgataa cccaaccata     360

tatatattta ttcgaaagca tgcaatatgt gtatattaac attaataaga agaacgttgt     420

aataatatga atattatgat attattataa taataaatta taaagtatat ttatcaatat     480

aataataatg ttagcttagc ttgctgtact gaaacttatt cgaaaataat gca           533
```

<210> 2093
<211> 426
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (343)..(343)
<223> n = unknown

<220>
<221> misc_feature
<222> (380)..(380)
<223> n = unknown

<400> 2093
cagatattta ctaaatattg tgaaataaat cattttcaaa atggtgtcca aagtgtttgt   60

cgttcttgcc atcattggct ttattggggc tgcccaagcc ttcttcgatc aagatgccgt   120

cttagataag atggtagatg acatctctgc tgaatatgaa aacagcattg caagaattag   180

ccaagatagc aaaattgaaa tgattgctgc tgaattcgaa aaacaaggat ttgcccctga   240

agtcgataga gatttggaaa ggtcaacaaa gaagttgaaa ggaacttaac aaaaaagtga   300

gtgaagccgc aaaggaatgc cttaaaggcc acaccaaaag ctntaggttt gcacaaaaag   360

ctcgtctagg caggcttgcn ggattataac gtgagaatca cccagtcgcc aaatgcttgc   420

cgctga   426

<210> 2094
<211> 519
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (65)..(65)
<223> n = unknown

<220>
<221> misc_feature
<222> (377)..(377)
<223> n = unknown

<400> 2094
ggcagaagtt acgtaagcac actccaaaaa atactatcag tgctcataaa ggatttaata   60

ttctncgtac agtagcttac aggtgagatc aatttaattc aactcaactg gctatacatt   120

ttattacaag atgcactccg taatcaattc cactttgcga accctgagca aaacagaatc   180

gggtaaaatc gcatcgattt tatcgaacag caggagttat gctgccaaag cagcagcagg   240

tgcccaaggc aaagttgttg ccgttatcgg tgctgttgta gatgtacaat tcgaagatag   300

cttacctccc atcctaaatg ctcttgaagt atccaacaga aagccaaggc tcgtccttga   360

agtagcccag catttangag aaaataccgt ccgtacaatt gctatggatg gtaccgaggg   420

tttggtacgt ggtcaaggtg ttgttgactg cggatcaccc atcaggatcc ccgtgggagc   480

tggacattgg caggatcatg aacgtatcgg agaaccaat   519

<210> 2095
<211> 550
<212> DNA
<213> Ctenocephalides felis

<400> 2095
ctgctcgatt tttgtgtcaa tttgcagttt tagtagttat tttatttaga aatttgttat   60

aaatcaaatc agcaaccatg gctttaagcg atgccgatgt acaaaaacaa atcaagcaca   120

tgatggcttt cattgagcaa gaagccaatg aaaaagctga ggaaattgac gcaaaagcag   180

aagaggaatt caacattgaa aagggacgat tggtacagca acagcgacta aagattatgg   240

aatactatga gaagaaggaa aaacaagttg aattgcaaaa gaaaattcaa tcatccaaca   300

tgctcaacca agctcgattg aaggtattga agttcgtga agatcatgtg aggaatgttt   360

tggatgaagc ccgcaaaagg ttgggagaag ttacacgtaa taaggaacaa tacaaagaag   420

ttttaacaac acttattgtc aaggaatgtt ccagcttatg gagcccaaag tattattgag   480

gccgcaaagc tgatttagat tggtagatag tttactgtgc catggtcagt ataaacacaa   540

tggtaccaaa   550

<210> 2096
<211> 550
<212> DNA
<213> Ctenocephalides felis

<400> 2096
aattcggccc ctgctatatc gggtcgagtt tgcaaaagag tttttattaa tttattgttg   60

ccgcccgtgt taaattaagt aaacttttc aagatgatgc ccgcacttgc agacccagtg   120

gctttcgcca aggatttcgc cgcaggtggt atttctgctg cagtctctaa gactgtggtg   180

gcacccatcg aacgtgtcaa attgctcctg caagtacaac acatttccaa acaaattgct   240

gaggataaac gttacaaagg tatcatcgat tgctttgtac gtatccctaa ggagcagggc   300

gtactttcct tctggcgtgg taacttggcc aatgtcattc gttatttccc aactcaggct   360

ttgaacttcg cattcaaaga caagtacaag caagttttct tgggtggagt tgacaagaag   420

acccaattct ggcgttactt cgcaggaaac ttggcatctg gtggtgctgc tggagccaca   480

tcattgtgct cgtctaccc acttgatttc gccgtaccag attgccgtga tgaggtaaag   540

gcgctggcaa   550

<210> 2097
<211> 550
<212> DNA
<213> Ctenocephalides felis

<400> 2097
```
gtgaaataaa tcattttcaa aatggtgtcc aaagtgtttg tcgttcttgc catcattggc    60
tttattgggg ctgcccaagc cttcttcgat caagatgccg tcttagataa aatggtagat   120
gacatctctg .ctgaatatga aaacagcatt gcaagaatta gccaagatag caaaattgaa   180
atgattgctg ctgaattcga aaaacaagga tttgcccctg aagtcgatag agatttggaa   240
aggttcaaca aagaagttga aaggaaactt agcaaaaaag tgagtgaagc cgcaaaggaa   300
tgccttaaag gccaacacca aaaagctcta ggttttgcac aagaagctcg tgctaaggtc   360
aaggcttgca gggatgataa acgtgaggaa ttcaaccaag ttcgccaaaa tggcttgccg   420
ctggagagaa gccagggaga acgccgaagc cctcagagca caagccaagg atgcgtgtac   480
cgcaccgtgt cgatgaacca gacttgcttg aaagatgtcc ttcaagctgc cgtgaaggac   540
caggcttggc                                                           550
```

<210> 2098
<211> 550
<212> DNA
<213> Ctenocephalides felis

<400> 2098
```
gtgaattcgt tttgccgggt cgtagtaacc aatttaatat aatggctcct ccaccatacg    60
cagacttggg gaaacaagct agggaggtat ttaacagtgg ctatcatttt ggtcttttca   120
aattgaattt gaaaactaaa actgcctctg gggttgaatt cacttcagga ggaacttctg   180
aacatgaaac tggcaaggta tttggatctt tggagacaaa atacaaagta agtgattacg   240
gtctcacttt ttctgaaaaa tggaacacag acaatacttt agctacagaa gtttccatac   300
aagatcaaat agctaaaggt ttgaaagtat cattcgactg ctctttcgca ccacaaacgg   360
gaagcaaaac tggtgttttg aaaactgctt cttacatgat agtgttgcag taaatgctga   420
tgtaaatttg aatttatcag gacctttgat caatgccagc gcagtagttg gtatcaaggt   480
ggttggccgg ttatcaaact ggatttactc tgaaaattca aggcacaaag acacttgcct   540
tgatctcaca                                                           550
```

<210> 2099
<211> 427
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (41)..(41)

<223> n = unknown

<400> 2099
atcgggtcga gtttgcaaaa gagttttatt taatttattg ntgccgcccg tgttaaatta   60

agtaaacttt ttcaagatga tgcccgcact tgcagaccca gtggctttcg ccaaggattt   120

cgccgcaggt ggtatttctg ccgcagtctc taagactgtg gtagcaccca tcgaacgtgt   180

caaattgctc ctgcaagtac aacacatttc caaacaaatt gctgaggata aacgttacaa   240

aggtatcatc gattgctttg tacgtatccc taaggagcag ggcgtacttt ccttctggcg   300

tggtaacttg gccaatgtca ttcgttattt cccaactcag gctttgaact tcgcattcaa   360

agacaagtac aagcaagttt tcttgggtgg agttgacaag aagacccaat tctggcgtta   420

cttcgca   427

<210> 2100
<211> 548
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (417)..(417)
<223> n = unknown

<400> 2100
gtgaaataaa tcattttcaa aatggtgtcc aaagtgtttg tcgttcttgc catcattggc   60

tttattgggg ctgcccaagc cttcttcgat caagatgccg tcttagataa gatggtagat   120

gacatctctg ctgaatatga aaacagcatt gcaagaatta gccaagatag caaaattgaa   180

atgattgctg ctgaattcga aaaacaagga tttgcccctg aagtcgatag agatttggaa   240

aggttcaaca agaagttga aaggaaactt agcaaaaaag tgagtgaagc cgcaaaggaa   300

tgccttaaag gccaacacca aaaagctcta ggttttgcac aagaagctcg tgctaaggtc   360

aaggcttgca gggatgataa acgtgaggaa ttcaaccaag ttcgcaaaat ggcttgncgc   420

tggagagaag ccagggagaa cgccgaagcc ctcagagcac aagccaagga gtgcgtgtcc   480

gcaccgtgtc gatgaaccag acttgttgaa agatgtcctt caagctgccg tgaagaccag   540

gcttgcca   548

<210> 2101
<211> 525
<212> DNA
<213> Ctenocephalides felis

<400> 2101

```
gttttttaat tgaaagctgg aatgaatgat tgaatgaaat attaactgtc ttaataaaat       60

tgttatagaa tttaattttt atgttaaaaa gcgtaaatat tattaaagga cgagaagacc      120

ctttaaagtt ttatatataa atatagatta attttaagaa tattattaaa tttatttata      180

ttaatatatt ttattggggt gataggaaaa tttataaaac ttttttttta ttaaaacata      240

aataattgaa taattgatcc ataaattatg attaaaagat taagttactt aagggataac      300

agcgtaatta ttttaagag  aacatatcga caaaatagat tgcgacctcg atgttggatt      360

aagataattt taaaatgcag aagtttaa   atttggctgt tcgaccatta attcttcatg      420

atctgagttc aaaccggtta agccaggtgg ttctatcctt aattttttaaa attaattagt     480

acgaaaggcc attaattata ataattattt aatttgataa aatta                     525
```

```
<210>  2102
<211>  524
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (112)..(112)
<223>  n = unknown

<400>  2102
atttaaaagg ccgcagtaat ttgactgtgc aaaggtagca taatcaatag ttttttaatt      60

gaaagctgga atgaatgatt gaatgaaata ttaactgtct taataaaatt gntatagaat      120

ttaattttta tgttaaaaag cgtaaatatt attaaaggac gagaagaccc tttaaagttt     180

tatatataaa tatagattaa ttttaagaat attattaaat ttatttatat taatatattt     240

tattggggtg ataggaaaat ttataaaact ttttttttat taaaacataa ataattgaat     300

aattgatcca taaattatga ttaaaagatt aagttactta agggataaca gcgtaattat     360

ttttaagaga acatatcgac aaaatagatt gcgacctcga tgttggatta agataatttt     420

aaaatgcaga agtttttaaaa tttggctgtc gccttaattc ttacatgatc tgagtcaaac    480

cggttaagcc aggtggttct atccttaatt tttaaaatta tagt                     524
```

```
<210>  2103
<211>  483
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (37)..(37)
```

<223> n = unknown

<400> 2103
```
aatggctcct ccaccatacg cagacttggg gaaacangct agggaggtat ttaacagtgg        60

ctatcatttt ggtcttttca aattgaattt gaaaactaaa actgcctctg gggttgaatt       120

cacttcagga ggaacttctg aacatgaaac tggcaaggta tttggatctt tggagacaaa       180

atacaaagta agtgattacg gtctcacttt ttctgaaaaa tggaacacag acaatacttt       240

agctacagaa gtttccatac aagatcaaat agctaaaggt ttgaaagtat cattcgactg       300

ctctttcgca ccacaaacgg gaagcaaaac tggtgttttg aaaactgcct tcttacatga       360

tagtgttgca gtaaatgctg atgtaaattt gaatttatca ggacctttga tcaatgccag       420

cgcagtagtt ggttatcaag gatggtggcg gtatcaaact ggatttgact ctgaaaattc       480

caa                                                                      483
```

<210> 2104
<211> 550
<212> DNA
<213> Ctenocephalides felis

<400> 2104
```
gtccaaagtg tttgttgctc ttgccatcat tggctttatt ggggctgccc aagccttttt        60

cgatcaagat gctgtcttag ataagatggt agatgacatt tctgctgaat atgaaaacag       120

cattgcaaga attagccaag acagcaaaat tgatatgatt gctgcagaat cgaaaaaaca       180

aggatttgcc cctgaagtcg atagagattt ggaaaggttc aacaaagaag ttgaaaggaa       240

acttagcaaa aaagtgagtg aagccgcaaa ggaatgcctt aaaggccaac accaaaaagc       300

tctaggctac gcacaagaag cccgtgctaa ggtcaaagct tgcagggatg ataaacgtga       360

tgaattcaac caagttcgca aaatggcttg gccgctggag agaagccagg gagaacgccg       420

aagccctcag agcacaagcc aaggagtgcg ttgtgaccgc cgccgtgtcg atgaaccaga       480

cttgttgaag agtcctccag ctgccgcgaa gactaagact tgccaggttt caagaacctg       540

tccaatgggc                                                               550
```

<210> 2105
<211> 465
<212> DNA
<213> Ctenocephalides felis

<400> 2105
```
atttaattta ttgttgccgc ccgtgttaaa ttaagtaaac tttttcaaga tgatgcccgc        60

acttgcagac ccagtggctt cgccaagga  tttcgccgca ggtggtattt ctgccgcagt       120
```

```
ctctaagact gtggtagcac ccatcgaacg tgtcaaattg ctcctgcaag tacaacacat    180

ttccaaacaa attgctgagg ataaacgtta caaaggtatc atcgattgct ttgtacgtat    240

ccctaaggag cagggcgtac tttccttctg gcgtggtaac ttggccaatg tcattcgtta    300

tttcccaact caggctttga acttcgcatt caaagacaag tacaagcaag ttttcttggg    360

tggagttgac aagaagaccc aattctggcg ttacttcgca ggaaacttgg catctggtgg    420

tgctgtggag ccacatcatt gtgcttcgtc tacccacttg atttc                    465
```

```
<210>    2106
<211>    524
<212>    DNA
<213>    Ctenocephalides felis

<400>    2106
agtttactac ggtccgtgca atagaccatc aagtgactgc tttaattccg aatgataaaa     60

attaattaag attaaaagta tttacataca ttaaacgcaa aaattaaatc tcatctcctc    120

ttttatgtgc agtttacttg attgtcgttc ggaaaaaaaa tcaaagttcg tcgagcgcgt    180

ggtgactaat gtctgttgta ccggcggcgt gacaacatct tttaaaaaat tatttcagtt    240

tgaaattaaa aattttattt tttaaataat tttgtgaaaa tatttatcat aacatatttt    300

ataaaaattt aatattgttg aattgtgata attaattatg aattcgtact tgttaacatt    360

actcttggca ccgttcatca tctcgatctg ctcagctgat tatgtcgatc gaggaaaaac    420

tgaagacaca aactttggt tgaagtggcc aagataattt gaaaagagtg ctccaaatga    480

aagaatcgag atccccagtg ccaaaatgtg ggtcatgatt ggcg                     524
```

```
<210>    2107
<211>    548
<212>    DNA
<213>    Ctenocephalides felis

<220>
<221>    misc_feature
<222>    (33)..(34)
<223>    n = unknown

<400>    2107
gcataatcaa tagttttta attgaaagct ggnntgaatg attgaatgaa atattaactg     60

tcttaataaa attgttatag aatttaattt ttatgttaaa aagcgtaaat attattaaag    120

gacgagaaga ccctttaaag ttttatatat aaatatagat taattttaag aatattatta    180

aatttattta tattaatata ttttattggg gtgataggaa aatttataaa actttttttt    240

tattaaaaca taaataattg aataattgat ccataaatta tgattaaaag attaagttac    300
```

```
ttaagggata acagcgtaat tatttttaag agaacatatc gacaaaatag attgcgacct    360

cgatgttgga ttaagataat tttaaaatgc agaagtttta aaatttggct gtcgccaata    420

attcttacat gatctgagtt caaaccggtt taagccaggt ggtctatcct tatttttaaa    480

attaatagac gaaaggcctt aatttataat aatatttaat tgaataaata aaaaaaaaaa    540

aaaaaaaa                                                              548
```

```
<210>  2108
<211>  547
<212>  DNA
<213>  Ctenocephalides felis
```

```
<220>
<221>  misc_feature
<222>  (515)..(515)
<223>  n = unknown
```

```
<400>  2108
cagtagccgg cagaccgttt tatttgctcc attactctta ttgttggcga aattagtgca     60

cgatggctca accactagct acatctgata tcaagtatac caagctattc atcaacaatg    120

aatttgtcga ttctgtaagc ggaaaaaaat ttcctaccat taatccaacc aatgaaaaaa    180

aaattataga cgtatcggaa ggtgataagg ccgatgtaga tctggcagtc gcagctgcca    240

aaaaagcgtt tgcgctaaac tcatcatggc gccagatgga cgcatctgca cgcggaaagc    300

tactcaacaa gtttgctgac ttgattgaaa gagatattca atatttagca aatttagaaa    360

ccttagacaa tggaaaacca ttttctaata gtattataga tatacaatgc gctatcaata    420

ccatcagata ttatgcggct ggtgcgacaa aattcatgga catacaattc agcagattat    480

ggattgccag cttcattccg ccaccagtgg tgtangggtc aaatttcctt gacttccaat    540

gcttggg                                                              547
```

```
<210>  2109
<211>  452
<212>  DNA
<213>  Ctenocephalides felis
```

```
<400>  2109
ggacggagct cgagtgaaac agtattagca attaattgta attaatcaaa aagtacaaga     60

aaatgggtgt accaagtgga gatgtagaaa agggcaagaa attgttcgtc caacgttgtg    120

cccaatgtca tactgttgaa gcaggaggca acataaaac aggtccaaac cttcatggat    180

tgtttggtag aaaaactggt caagcccctg gattcgtgta cacagatgcc aacaaagcaa    240
```

```
aggggaatcac gtggaacaag gacacactat ttgaatatct cgaaaatcca aagaaatata      300

tcccaggaac aaagatggtg ttcgctggat tgaagaagcc acaagaacgc gcagacttaa      360

tagcatattt agaatcaagc acaaagtaga aaatgaaata aattaaatga ataattacaa      420

ttatattgct aaaaaaaaaa aaaaaaaaaa aa                                     452
```

```
<210>   2110
<211>   534
<212>   DNA
<213>   Ctenocephalides felis

<400>   2110
gttttttaat tgaaagctgg aatgaatgat tgaatgaaat attaactgtc ttaataaaat       60

tgttatagaa tttaattttt atgttaaaaa gcgtaaatat tattaaagga cgagaagacc      120

ctttaaagtt ttatatataa atatagatta attttaagaa tattattaaa tttattttata     180

ttaatatatt ttattggggt gataggaaaa tttataaaac tttttttttat taaaacataa     240

ataattgaat aattgatcca taaattatga ttaaaagatt aagttcttaa gggataacag      300

cgtaattatt tttaagagaa catatcgaca aaatagattg cgacctcgat gttggattaa      360

gataatttta aaatgcagaa gtttttaaaat ttggctgttc gccattaatt cttacatgat     420

ctgagttcaa accggttaag ccaggtggtt ctatccttaa tttttaaaat taattagtac      480

gaaggccatt aattatataa tatttaattg aataaataaa aaaaaaaaaa aaaa            534
```

```
<210>   2111
<211>   507
<212>   DNA
<213>   Ctenocephalides felis

<400>   2111
ctccagaccc tgctatatcg ggtcgagttt gcaaaagagt tttatttaat ttattgttgc       60

cgcccgtgtt aaattaagta aactttttca agatgatgcc cgcacttgca gacccagtgg      120

ctttcgccaa ggatttcgcc gcaggtggta tttctgccgc agtctctaag actgtggtag      180

cacccatcga acgtgtcaaa ttgctcctgc aagtacaaca catttccaaa caaattgctg      240

aggataaacg ttacaaaggt atcatcgatt gctttgtacg tatccctaag gagcagggcg      300

tactttcctt ctggcgtggt aacttggcca atgtcattcg ttatttccca actcaggctt      360

tgaacttcgc attcaaagac aagtacaagc aagttttctt gggtggagtt gacaagaaga      420

cccaattctg gcgttacttc gcaggaaact ggcatctgg tggtgctgtg gaccacatca      480

ttgtgcttcg tctacccact tgatttc                                          507
```

```
<210>  2112
<211>  549
<212>  DNA
<213>  Ctenocephalides felis

<400>  2112
tattcaaatt aaaataatta ttataaatta atggtccttt cgtactaatt aattttaaaa      60

aattaaggat agaaaccaac ctggcttaaa ccggtttgaa ctcagatcat gtaagaatta     120

atggtcgaac agaccaaatt ttaaaacttc tgcattttaa aattatctta atccaacatc     180

cgaggtcgca atctattttg tcgatatgtt ctcttaaaaa taattacgct gttatccctt     240

aagtaactta atcttttaat cataaattat ggatcaatta ttcaattatt tatgtttaa      300

taaaaaaaaa gtttataaa tttcctatc accccaataa aatatattaa tataaataaa     360

tttaataata ttcttaaaat taatctatat ttatatataa aactttaaag ggcttctcgc     420

ctttaataat atttacgctt tttaacataa aaattagcac gagggggggc cggtacccaa     480

ttcgcctata gtggtcgata caattcactg ccgcgtttac acgcggactg ggaaaccctg     540

cgtcccact                                                            549


<210>  2113
<211>  549
<212>  DNA
<213>  Ctenocephalides felis

<400>  2113
tgaagatact tcaatcagat tctttcttgg acctgtaaat actccgcata aattacaaaa      60

tgtcttcatc agttctacca gaagaaaatc caatctatgg acctttcttt ggagtcatgg     120

gcgcagcgtc ggctatcatt ttcagcgcac tgggtgccgc atatggaaca gccaagtccg     180

gcactggtat cgccgctatg tccgtgatga gacctgaatt gatcatgaaa tcaatcattc     240

cagttgttat ggctggtatc attgctatct acggcctggt tgttgcggta ctgattgcgg     300

gtgctctgga ggaaccaaaa acctactcac tttataaggg cttcatacat ctcggcgctg     360

gtttggccgt aggattttcc ggcttggcgg cgggttttgc gattggaatc gtggtgatgc     420

tggagtacga ggaacagccc aacaacctcg tctgttgtgg aatgatcttg atcctgatct     480

tcgctgaata ttgggtctat atggtctatc gtaccatcta cttacccaaa taaacaaata     540

ttatggttt                                                            549


<210>  2114
<211>  549
<212>  DNA
<213>  Ctenocephalides felis
```

```
<400>  2114
gtcgccctca tcaaggttcg aagaccattc cggttgaata acagaactgt tagaacagtc      60

aaacttactg atgttggaaa agacatgcca tcaggagaat tagccactgt tactggctgg     120

ggaaatttag gggaagatga agacgacccc gaacaactgc aatatgtaaa ggtacctatt     180

gttaactgga ctcagtgcaa aactatatat ggaaatgaag gactaataat tacccaaaat     240

atgatttgtg ctggttatcc tgaaggcggt aaggactctt gccaaggaga tagcggtggc     300

ccactcgtca actctaaggg agttctgcat ggaatagtgt cttggggaat aggatgtgca     360

cgacccgaaa tcccaggagt atatacccga gtggcttcaa aaccaataag agaatttatc     420

aaaatgcaca ctggaatata agagtttttaa cttataatat tacaaatatt ttttgtattc     480

cttaatttca atgatatcta agacgagatg tttacaaatt tgtactcact aacaaataaa     540

cctatactc                                                            549
```

```
<210>  2115
<211>  111
<212>  DNA
<213>  Ctenocephalides felis
```

```
<220>
<221>  misc_feature
<222>  (81)..(81)
<223>  n = unknown
```

```
<400>  2115
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga      60

gagagagaga gagagagaga nagagagaga gagagagaga gagagagatt t             111
```

```
<210>  2116
<211>  549
<212>  DNA
<213>  Ctenocephalides felis
```

```
<220>
<221>  misc_feature
<222>  (34)..(34)
<223>  n = unknown
```

```
<220>
<221>  misc_feature
<222>  (531)..(531)
<223>  n = unknown
```

```
<400>  2116
gttatgtaat ttaaaatgaa ataataataa taantaatag tagattagta ttgtaaaaga      60

aaaattaaaa ttgtgtataa gtaaatttaa tttattgtat cttgtgtatc agagttaatt     120
```

taataaaaga tatgaagaat atttttctcg aatttaaaag ggtaaattta ttatttaatt   180

taatgtaata taattattta aaataataaa ttagtaatga aatgttattc gtttttaaag   240

ttatctagtt tttttagaaa taaatttaat ttattatatt taaatatttta tattaattta   300

ttaaatatag atattttaaa tataaaatat ttttagggat aagcttaaaa ataaattatt   360

ataaattaat aaattattta taaatttata gggttataaa tattcattaa tataaaaatg   420

ttataattta tttataaata aattaaaatt tagtagattt taaatttta taaaaataat   480

atttaaaatt ataaaaaata tgaataatga taaatagata attaattatg ntatattaat   540

tggtaggtt   549

<210>   2117
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2117
attcttcacc tgattttttt aaaatctaaa gattttcaaa aaaaaattac gattttttct   60

cgtgatgttt ggcggggaag ggggtggta attctgaata ttacccaggg gggatagaag   120

gtccagaaat ccttaaaaag ttgatcacgt tattaatgga cacccctaa ttgatgatac   180

aaagatgaga atttacatat ttctaatttc tattaatcac gtgaggtttt tagggggggga   240

aggggtttta tagtaagata tcacgtgtat ttatttttta cctgattttt ttaaaaaact   300

caaattattt taaaaaaat gaagattttt acgattttt cgtaactaaa aatacacctg   360

atgtttgctg gggcgatgag gggggaattt tgaatattac caagggagag ggggttccag   420

aaatccttaa aaatttatc atgtgaccaa tggcgccccc ttaggattaa tatgcagtaa   480

aagttttta ttcttattta tttaaaaaaa tgccatgttg tggtcccaat aaaaacgtac   540

gatctattt   549

<210>   2118
<211>   527
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (429)..(429)
<223>   n = unknown

<400>   2118
gttcttcaga tatttactaa atattgtgaa ataaatcatt ttcaaaatgg tgtccaaagt   60

```
gtttgtcgtt cttgccatca ttggctttat tggggctgcc caagccttct tcgatcaaga      120

tgccgtctta gataagatgg tagatgacat ctctgctgaa tatgaaaaca gcattgcaag      180

aattagccaa gatagcaaaa ttgaaatgat tgctgctgaa ttcgaaaaac aaggatttgc      240

ccctgaagtc gatagagatt tggaaaggtt caacaaagaa gttgaaagga aacttagcaa      300

aaaagtgagt gaagccgcaa aggaatgcct taaaggccaa caccaaaaag ctctaggttt      360

tgcacaagaa gctcgtgcta aggtcaaggc ttgcagggat gataaacgtg aggaattcaa      420

ccaagttcnc aaaatggctt ccgctggag agaaccaggg agaacccgaa ccctcaagca      480

caagccaagg atgcgttgta ccgcaccgat gtcgatgaac cagactt                   527
```

<210> 2119
<211> 549
<212> DNA
<213> Ctenocephalides felis

<400> 2119
```
gccatttttg acagtgggtt cgctagttta gtgaagtgag tgtgtgaaga tacttcaatc       60

agattctttc ttggacctgt aaatactccg cataaattac aaaatgtctt catcagttct      120

accagaagaa aatccaatct atggaccttt ctttggagtc atgggcgcag cgtcggctat      180

cattttcagc gcactgggtg ccgcatatgg aacagccaag tccggcactg gtatcgccgc      240

tatgtccgtg atgagacctg aattgatcat gaaatcaatc attccagttg ttatggctgg      300

tatcattgct atctacggcc tggttgttgc ggtactgatt gcgggtgctc tggaggaacc      360

aaaaacctac tcactttata agggcttcat acatctcggc ctggtttgcc gtaggatttt      420

ccggcttgcg ggggtttttgc gattggaatc gtggtgatgc tggagtacga ggaacagccc      480

aacacctcgc tgtggtggaa tgatcttgat ctgtcttcgc tgaagtatgg gtctatatgg      540

cctatcgac                                                              549
```

<210> 2120
<211> 549
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (32)..(33)
<223> n = unknown

<400> 2120
```
ctgaaatttc ggaaatgctg aagacatctt gnnttttttgc tctggtggct ttaagcctct       60

ttcaaatttc aattgccatt cctaccatag aggcagaacc aatccaaaat gctattccaa      120
```

```
caaccttcga aatcagtcaa agaggtattg tctcagatgt tttgcaggag ttggtataca      180

atttggacgt tttagttacc gaagtttttg ataatgtagc taaagtaact acagacataa      240

ccactggcct cggtaaagtt ttagttgcac taaccaaaga aatagaagct gttcaaaagg      300

aaccttgaat ttgataagtg aagcaattag aataaagtcc gaacttttgc ttagatttag      360

agatgcattg atgagaccag ccttgtctaa agcaaagctt tccttggaac gacttgaaaa      420

ggctgtttca atggctattg atgatgctag acttaaattt gaaaatgcct ccaagaaatg      480

aatgacgacg cagtagcatt cttaattcat cctgaaaaat caagaggaac cgagagatca      540

aaacaaata                                                              549
```

```
<210>   2121
<211>   549
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (498)..(498)
<223>   n = unknown

<400>   2121
cttcaatcag attctttctt ggacctgtaa atactccgca taaattacaa aatgtcttca      60

tcagttctac cagaagaaaa tccaatctat ggacctttct ttggagtcat gggcgcagcg     120

tcggctatca ttttcagcgc actgggtgcc gcatatggaa cagccaagtc cggcactggt     180

atcgccgcta tgtccgtgat gagacctgaa ttgatcatga aatcaatcat tccagttgtt     240

atggctggta tcattgctat ctacggcctg gttgttgcgg tactgattgc gggtgctctg     300

gaggaaccaa aaacctactc actttataag ggcttcatac atctcggcgc tggtttggcc     360

gtaggatttt ccggcttggc ggcgggtttt gcgattggaa tcgtggtgat gctggagtac     420

gaggaacacc caacaacctc gtctgttgtg gaatgatctt gatcctgatc ttcgctgaag     480

tattgggtct atatggcnta tcgagccatc taccttacac caaataaaca aatattatgg     540

attcaagat                                                              549
```

```
<210>   2122
<211>   549
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
```

<222> (109)..(109)
<223> n = unknown

<220>
<221> misc_feature
<222> (117)..(117)
<223> n = unknown

<400> 2122
attgtaggat aacccacaaa taatatgaaa tgtaaaaaaa aatgtcaacc ggtgacacaa   60

aatactggag acaattatta taacatgtaa tattcaattt ttaaattttnc atcaatngtt   120

ttttatgatc tcgtcttttg aagtattcat tcatttattc aatccaatgc caaatcataa   180

atttattggt atttaggtgc actactatat tgaattaata agataaacaa cttagttatg   240

aaatatttca attaaatcca tgtatggttt gtaatgtgca tatatatata gtcaccgtac   300

tagattttta ttagtttaag aaaatttaat ataaataact atgtaagaaa tatttcaaaa   360

aatttaatat aaatgacttt ataaaatata tatcaaaaat agtcataaaa agtttgtgca   420

attataaaaa tttatacaga aattataaat ttggagagaa aaatatgcac atatgtaata   480

gaaatatttt atcatgtgct aaatagatgc aatgaaaata tttatcaaga aatatttgcc   540

atttaaaca   549

<210> 2123
<211> 549
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (4)..(4)
<223> n = unknown

<400> 2123
taantttata gggttataaa tattcattaa tataaaaatg ttataatta ttatataaata   60

aattaaaatt tagtagattt taaatttttt ataaaaataa tatttaaaat tataaaaaat   120

atgaaataat gattaaatta gtataatata atttattgat aatattaaat tgttaggttt   180

atttaaggaa ttcggcaaat ataatattca cctgtttaac aaaaacatgt ctttttgaaa   240

ataatataaa gtctaatctg cccattgaag atttaaaagg ccgcagtaat ttgactgtgc   300

aaaggtagca taatcaatag ttttttaatt gaaagctgga atgaatgatt gaatgaaata   360

ttaactgtct taataaaatt gttatagaat ttaattttta tgttaaaaag cgtaaatatt   420

attaaaggac gagaagaccc tttaaagttt atatataaat atagattaat ttaagaattt   480

attaaattat tatattaata tatttattgg ggtgaaggaa attataaact ttttttatta   540

aacataata   549

<210> 2124
<211> 549
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (40)..(40)
<223> n = unknown

<220>
<221> misc_feature
<222> (508)..(508)
<223> n = unknown

<400> 2124
ctcgaattta aaagggtaaa tttattattt aatttaatgn aatataatta tttaaaataa   60

taaattagta atgaaatgtt attcgttttt aaagttatct agttttttta gaaataaatt   120

taatttatta tatttaaata tttatattaa tttattaaat atagatattt taaatataaa   180

atatttttag ggataagctt aaaaataaat tattataaat taataaatta tttataaatt   240

tatagggtta taaatattca ttaatataaa aatgttataa tttatttata aataaattaa   300

aatttagtag attttaaatt ttttataaaa ataatattta aaattataaa aaatatgaaa   360

taatgattaa attagtataa tataatttat tgataatatt aaattgttag gttatttaag   420

gaattcggca aatataatat tccctgttaa caaaaacatg cttttgaaat aattaaagtc   480

tatctgccat gaagattaaa aggcgcanaa tttgctggca aggagcatat catagtttta   540

atggaagct   549

<210> 2125
<211> 549
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (513)..(513)
<223> n = unknown

<400> 2125
gtcgagtttg caaaagagtt ttatttaatt tattgttgcc gcccgtgtta aattaagtaa   60

acttttttcaa gatgatgccc gcacttgcag acccagtggc tttcgccaag gatttcgccg   120

caggtggtat ttctgccgca gtctctaaga ctgtggtagc acccatcgaa cgtgtcaaat   180

```
tgctcctgca agtacaacac atttccaaac aaattgctga ggataaacgt tacaaaggta    240

tcatcgattg ctttgtacgt atccctaagg agcagggcgt actttccttc tggcgtggta    300

acttggccaa tgtcattcgt tatttcccaa ctcaggcttt gaacttcgca ttcaaagaca    360

agtacaagca agttttcttg ggtggagttg acaagaagac ccaattctgg cgttacttcg    420

caggaaactt ggcatctggt ggtgctgctg gagccacatc attgtgcttc gtctacccac    480

ttgatttcgc cgaccagatg gccgtgatga ggnaagcgct ggcaacgtga atcttggatg    540

gcactgttg                                                           549
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<210>   2126
<211>   244
<212>   DNA
<213>   Ctenocephalides felis

<400>   2126
attttaaga gaacatatcg acaaaataga ttgcgacctc gatgttggat taagataatt     60

ttaaaatgca gaagttttaa aatttggtct gttcgaccaa taattcttac atgatctgag    120

ttcaaaccgg tttaagccag gttggtttct atccttaatt ttttaaaatt aattagtacg    180

aaaggaccat taatttataa taattatttt aatttgaata aaattaaaaa aaaaaaaaaa    240

aaaa                                                                244
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<210>   2127
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2127
ggtcaaagtg tccggtgcgt tgtggataaa atttattaaa tttattaata aattattaat     60

aaattggtgg tttattattt ttaaaattta cagtacacat caagcataat tttcaaaaat    120

ggtccaagaa accgaatgca aattaaatgg atcctcaaac cccgaggaaa ctaatgtgat    180

tcacggtcca gccgcgcctg ccaacgaagg tttgaggggc tttggagagg aaatttatga    240

cagaatagtt ttacatggcg atagagtatc catgatcgac ggagacaccg atcgctccac    300

caccttcgac gcccttcggg cacgcagtgc agcaatcgct ctagccctaa gggctcgtgg    360

agtgaccaac aaagacgtca taactttggt agaactcacc acagaagact cttttgcatt    420

gttttgggga taattttctc aggagccact ttagggatgt tggatggagc ctgacagtcc    480

caaacactgt agtaccctac taccttatat aaaccagggt tctgttacac atgtccagtg    540

ttgataagg                                                           549
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<210> 2128
<211> 515
<212> DNA
<213> Ctenocephalides felis

<400> 2128
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gaaatattaa ctgtcttaat aaaattgtta tagaatttaa tttttatgtt aaaaagcgta        60

aatattatta aaggacgaga agacccttta aagtttttata tataaatata gattaatttt       120

aagaatatta ttaaatttat ttatattaat atattttatt ggggtgatag gaaaatttat       180

aaaacttttt ttttattaaa acataaataa ttgaataatt gatccataaa ttatgattaa       240

aagattaagt tacttaaggg ataacagcgt aattatttt aagagaacat atcgcaaaat        300

agattgcgac ctcgatgttg gattaagata attttaaaat gcagaagttt taaaatttgg       360

tctgttcgac cattaattct tacatgatct gagttcaaac cggtttaagc caggtggttt       420

ctatccttaa ttttttaaaa ttaattagta cgaaaggcca ttaatttata ataattattt       480

taattgaata aaataaaaaa aaaaaaaaaa aaaaa                                   515
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<210> 2129
<211> 549
<212> DNA
<213> Ctenocephalides felis

<400> 2129
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gtgaaataaa tcattttcaa aatggtgtcc aaagtgtttg ttgctcttgc catcattggc        60

tttatagggg ctgcacaagc ctttttcgaa caagatgccg tcttagataa gatggtagat       120

gacatctctg ctgaatatga gaacagcatt gcaagaatta gccaagatag caaaattgat       180

atgattgccg ctgaattcga aaaacaagga tttgcccctg aagtcgatag agatttggag       240

aggttcaaca aagaagttga aaggaaactt agcaaaaaag tgagtgaagc cgcaaaggaa       300

tgccttaaag gccaacacca aaaagctcta ggctacgcac aagaagcccg tgctaaggtc       360

aaggcttgca gagatgacaa acgtgatgaa ttcaaccaag ttcgccaaaa tggcttgccg       420

ctggagagaa gccagggaga acgccgaagc cctcagagca caagccaagg agtgcgttgt       480

gaccgagccg tgtcgatgaa gccagagttt gctgaaaggg ttctcaagct gccacgaagg       540

acaaaagac                                                               549
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<210> 2130
<211> 486
<212> DNA
<213> Ctenocephalides felis

<400> 2130

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caaaaagcta cataagctag aaccattaga ccacaaataa tatatcacta gacattttta    60

ggaagtttac agtttgttat acaattctta aactaattta gttatcagta agttttaagc   120

agtcggcaca gtctttacgg acttgtacta agttgtccct aaattctttc aaggctcccc   180

ttgcgcattt tccgacttca cggactaagt tgcccaattg ggaccaggtt tctttgagtg   240

ccttggccaa gtcttttgct ccttcgtggg cagcttggag aacccctttc aagcaaactc   300

tggcttcatc gacatcggct gcggtcacaa cgcactcctt ggcttgtgct ctgagggctt   360

cggcgttctc cctggcttct ctccaggcgg caagccattt tggcgaactt ggttgaattc   420

atcacgtttg tcatctctgc aagccttgac cttagcacgg cttcttgtgc gtacctagac   480

ttttgg                                                             486


<210>   2131
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2131
aattcggcac cagcagagag tctgtttggc acgaagttgc ttaaagcctt cagtggacgc    60

tgaaacaatt aaaattattc tagtcaaata ttacattggt agtttaaagc ctcgtgtgtg   120

cttgaagaca aaaagtgcct ttgtacaaaa caaacagtg atatttaatt tatgaaatcg    180

ttataaacgt gtgtcgtatg atacttggat atttataaaa aaaagtgata cttgttagtc   240

agtttaaacc ctatatgcac aaagggatat aataagacat agttaaaatt attgcaaaaa   300

tggttggaag taacggtaca atgatggcaa tacgtgttgt tcgcagtaaa ctgaggaaac   360

gcgaagagca ctctaactct gttcatccag aggcgcccca gacaattacg gcggttgtac   420

cacctgctga gccagtggcg tacaggcaac aacccatctg gtgttccgcc gaacccgcgc   480

agcccttcct gtacagcagc aatcaggaca ccctgcacaa aatttgagcc gcagcggtag   540

cttccgtag                                                          549


<210>   2132
<211>   549
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (33)..(33)
<223>   n = unknown

<400>   2132
gtagattagt attgtaaaag aaaaattaaa atngtgtata agtaaattta atttattgta    60
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tcttgtgtat cagagttaat ttaataaaag atatgaagaa tattttctc gaatttaaaa     120

gggtaaattt attatttaat ttaatgtaat ataattattt aaaataataa attagtaatg     180

aaatgttatt cgtttttaaa gttatctagt tttttttagaa ataaatttaa tttattatat    240

ttaaatattt atattaattt attaaatata gatattttaa atataaaata tttttaggga     300

taagcttaaa aataaattat tataaattaa taaattattt ataaatttat agggttataa     360

atattcatta atataaaaat gttataattt atttataaat aaattaaaat ttagtagatt     420

ttaaattttt tataaaaata atatttaaaa ttataaaaaa tatgaaataa tgattaaatt     480

agtataatat aatttattgt aatattaaat ggtaggttat taaggaatcc gcaattatat     540

tccctgtta                                                            549·
```

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<210>   2133
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2133
attttcttga ggctcaccac tagtttcacg aacccttct acaattgata taaattcgat      60

tatattaaaa aataattcaa tttccatttt cagaaggggc aacagtggct gcccacgtcg     120

tccaggtcga tgcaggcgcc gttggggaag cagacgacgt tctggcgcaa cttgacgcgg     180

cgctctacgt gaatcttgaa actgttggcc acccaacggt agagagactc agattcactt     240

tctgatactc cgaaggccaa aaatttatca gataattctt taggtatgtc gaggtcgtcg     300

gggaccctaa gtccagtgtg acatctggct cttgttatag gatagaatcc caaaggaaat    360

ttgctttcca taatgctgaa gccgcgggcc aactcgaaca gaaggaagta ggagcgttct     420

tcatcgcttt ccaagccatc gtagatctcc ttgaacgatt aacaggcac gtatcaggat      480

gagcggttca ttatatgtac aggattgcgt cagcaggaca cctgccacgc cagaatgaac    540

cagacaata                                                            549
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<210>   2134
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2134
ccagaccctg ctatatcggg tcgagtttgc aaaagagttt tatttaattt attgttgccg      60

cccgtgttaa attaagtaaa ctttttcaag atgatgcccg cacttgcaga cccagtggct     120

ttcgccaagg atttcgccgc aggtggtatt tctgccgcag tctctaagac tgtggtagca     180
```

```
cccatcgaac gtgtcaaatt gctcctgcaa gtacaacaca tttccaaaca aattgctgag      240

gataaacgtt acaaaggtat catcgattgc tttgtacgta tccctaagga gcagggcgta      300

ctttccttct ggcgtggtaa cttggccaat gtcattcgtt atttcccaac tcaggctttg      360

aacttcgcat tcaaagacaa gtacaagcaa gttttcttgg gtggagttga caagaagacc      420

caattctggc gttacttcgc aggaaacttg catctggtgg tgctgctgga gccacatcat      480

tgtgcttcgc tacccacttg attcgccgtc cagattggcc gtgatgaggt aagcctggca      540

acgtgaatc                                                            549
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<210>   2135
<211>   539
<212>   DNA
<213>   Ctenocephalides felis

<400>   2135
gaccaggaag gctatagata ccaagtagcc gaaatagtca cattgccatt cgattccgaa       60

acaaataatt atgatttggc acttgtaaaa gttaagaagc caattaagtt caactacagg      120

gtacaaccaa ttcctttggg cgaagaatat gtcgaaggag gtgaagaagc tcgtcttaca      180

ggatggggca gattaggagc tgatgaccct gcaccaaacg aattgcagga attgaatact      240

tttaccatca gccacaaaat ttgcaagaag gctcaccagc atgtggttta cccaagtcag      300

atatgtgcat ttgtagaaaa aggaaaagga gcttgcatgg gtgactccgg tggtccattg      360

gtcgtaaatg gagaacttca cggggttgtc tcttggggaa tcccctgcgc cctcggcaaa      420

cctgacgtct tcactagagt ctcacactat gccgaatgga tcaaggagaa gatcgccgtg      480

atgaatgata aaattgtgta attatattga aataatattg aaggataaaa aaaaaaaaa      539
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<210>   2136
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2136
cgagctataa attaccaata tttcttcacc tttgtggaac atgtcaaaag aacatataaa       60

aattcaaatc ttcaacctga tgaaagaaa aaaatgacta aactgataca aagtttgcct      120

tcttctgttc aggctgctgc atatacggac acgttttgta tacgaaataa agagtctgat      180

aattatttga aagtttatta tgaaggatcc tggcaggttc atctttcacc tggcgataca      240

gcttatcaag gcacaaaatg ggttatcgaa aagccgacac cgactactat ttttttttata      300

attagaagtt ttcgcttggg atggtacatc gacaataaat ataatattaa atcgaaacac      360

gcgcatactc catgggtcag gtttgatgta aacatgaaac aaaattatgt atatttgtca      420
```

```
gtgatgataa gtatataaca gactacgaag gcagtatgac tttcgataca aaaccgctaa      480

ttttttcgcag tggatttaca aatgtgtgat ataaagatct aataataatg tgatgcattg      540

actaaatga                                                              549
```

```
<210>   2137
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2137
gcaataaaaa tgaaaaaaac agttcctttc tgtttaactt tgtgcctttt tcttgcaaaa       60

gtagtgcatg ccgaagtatg catggagtgc aatgactgcg atacattcga aggcaagatt      120

gttagcatat gtaatggaga attatgctac gctaaactag aaaaaggtaa agttaatcga      180

gggtgcgcaa cgaaggatat ctgcgatggc aatactcttt gcaaaacttg tgtcggtgct      240

acatgcaata ataaggattt cgagcgcccg tcatgtgcaa cggatgacgg aggagaaaaa      300

aaatgtgaag gattgtgtta catctatgtt aacggcactg aaacaaaaaa aggttgtttg      360

gtcgatttac ctgaagctga ttcgattaga aaagaatgcg aaaatgcaca tctgggtctt      420

gtctaaagtg caatagtaac ctatgtaata aaaatgatcc ctgaatgtgt aaaatgcaac      480

gaaaatgatg ccctgcacaa gcaacactgc tgcggaattg cagctaagtg cagtctgcag      540

ataacaaga                                                              549
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<210>   2138
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2138
gtcgatttct tgctagattc tcattgaagt ccatcattag ttttccaaat cctttgacat       60

tagataaacg tagtactatt taagcacaaa aaggtataaa ataataaaat ggctagccag      120

actcagggaa ttcaacaact tcttgccgct gagaaaaggg ctgctgaaaa agtctccgag      180

gccaggaaac gcaaagcacg cagactaaag caagctaagg aagaagctca agatgaaatt      240

gagaaatacc gtcaggaacg tgagaagcaa ttcaaagaat ttgaagcaaa gcatatgggc      300

tcacgggaag gggttgcagc tagaattgat gctgacactc gtgtcaaaat cgatcagatg      360

aacaaagctg tgtctgttca aaaggatccc gtgatgtatg aaattctgaa gttggtctat      420

gacatcaaac cagaattaca caaaaattat cgcaaagaat aatttatttt attcagagct      480

ccagtgaaaa aatatatatt aataaagata tgttatatcc acattttgtt atgtgaaaaa      540
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<210>  2139
<211>  547
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (517)..(517)
<223>  n = unknown

<400>  2139
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ctctttgact gctttgccag ttattgaaac acaagctggt gacgtatcag cttatattcc     120

aactaatgtc atttccatta ctgatggtca aatcttcttg gaaactgaat tgttctacaa     180

gggtattcga ccagccatca atgtaggttt atctgtatct cgtgtaggtt ctgctgcaca     240

aaccaaagcc atgaaacagg ttgccggttc catgaaactg gaattagctc aatatcgtga     300

ggtggctgct tttgcccaat tcggctcaga tcttgatgca gccacacaac aattgttaaa     360

cagaggtgtt cgtttgactg aattattgaa gcaaggacaa tatgtcccaa tggctattga     420

agaacaagtt gcaattatct actgtggtgt ccgaggacac ttggacaaaa tggacccaac     480

caagatcaca gcatttgaaa ggaattacgc tcacatnaac caaccatcat cctttgcaac     540

catgcca                                                               547


<210>  2140
<211>  549
<212>  DNA
<213>  Ctenocephalides felis

<400>  2140
aaagtacgtg ttggcagttc tgaaataaac catggaggaa tgatattcga cattgaattt      60

tatgcccttc accctgatta tccagaagat catgatgaca catccgatta tgacgtggct     120

cttgttaaac ttgcatatcc gctcaagttt agcgaagaca tccaaccgat catgatggcc     180

gaaaaggact atgaaccgcc agcaggaacc aaagcttatg tgtctggatg gggaagaaca     240

tcgttcggtg gccaattgtc taaaaatctg cgaggagtcg agttggaaat aatagatcta     300

ttcgattgtt tcctttccta cttggataaa gtaaacgtgt ccgaaaggca gtttgcgct      360

ggaatccccg ttgtaggtgg taaagattct tgcactggag actcgggtgg ccccttacca     420

tcgatggaat cttggcggaa ctgttcctat ggcgaagatt gcccaaagca gaatatcctg     480

gagtttattc aaatattgtg aatacagaga tggattgaag actataagag tgagtcataa     540
```

atgtattat   549

<210>   2141
<211>   544
<212>   DNA
<213>   Ctenocephalides felis

<400>   2141
gaaagctgga atgaatgatt gaatgaaata ttaactgtct taataaaatt gttatagaat   60

ttaatttta tgttaaaaag cgtaaatatt attaaaggac gagaagaccc tttaaagttt   120

tatatataaa tatagattaa ttttaagaat attattaaat ttatttatat taatatattt   180

tattggggtg ataggaaaat ttataaaact ttttttttat taaaacataa ataattgaat   240

aattgatcca taaattatga ttaaaagatt aagttactta agggataaca gcgtaattat   300

ttttaagaga acatatcgac aaaatagatt gcgacctcga tgttggatta agataatttt   360

aaaatgcaga agttttaaaa tttggtctgt tcgaccatta attcttacat gatctgagtt   420

caaaccggtt aagccaggtg gttctatcct taattttta aaattaatta gtacgaaagg   480

ccattaattt ataataatta tttaattgaa taaataaaaa aaaaaaaaaa aaaaaaaaaa   540

aaaa   544

<210>   2142
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2142
gcccattgaa gatttaaaag gccgcagtaa tttgactgtg caaaggtagc ataatcaata   60

gttttttaat tgaaagctgg aatgaatgat tgaatgaaat attaactgtc ttaataaaat   120

tgttatagaa tttaatttt atgttaaaaa gcgtaaatat tattaaagga cgagaagacc   180

ctttaaagtt ttatatataa atatagatta attttaagaa tattattaaa tttatttata   240

ttaatatatt ttattggggt gataggaaaa tttataaaac ttttttttta ttaaaacata   300

aataattgaa taattgatcc ataaattatg attaaaagat taagttactt aagggataac   360

agcgtaatta ttttttaagag aacatatcgc aaaatagatt gcgacctcga tgttggatta   420

agataatttt aaaatgcaga agttttaaaa tttggctgtc gccattaatt cttacatgat   480

ctgagttcaa accggttaag ccaggtggtt ctatccttaa tttttaaaat tatagtacga   540

aaggccata   549

<210>   2143

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<211>   549
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (4)..(4)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (34)..(34)
<223>   n = unknown

<400>   2143
cgantttgca aaagagtttt atttaattta ttgntgccgc ccgtgttaaa ttaagtaaac      60

tttttcaaga tgatgcccgc acttgcagac ccagtggctt cgccaagga tttcgccgca      120

ggtggtattt ctgccgcagt ctctaagact gtggtagcac ccatcgaacg tgtcaaattg      180

ctcctgcaag tacaacacat ttccaaacaa attgctgagg ataaacgtta caaaggtatc      240

atcgattgct tgtacgtat ccctaaggag cagggcgtac tttccttctg gcgtggtaac      300

ttggccaatg tcattcgtta tttcccaact caggctttga acttcgcatt caaagacaag      360

tacaagcaag ttttcttggg tggagttgac aagaagaccc aattctggcg ttacttcgca      420

ggaaacttgg catctggtgg tgctgtggag ccacatcatt gtgcttcgtc tacccacttg      480

atttccccga ccagattgcc gtgtgtagta aaggcctggt aacgtgaatt tctggatggc      540

aactgttga                                                             549


<210>   2144
<211>   530
<212>   DNA
<213>   Ctenocephalides felis

<400>   2144
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ttaatttta tgttaaaaag cgtaaatatt attaaaggac gagaagaccc tttaaagttt      120

tatatataaa tatagattaa ttttaagaat attattaaat ttatttatat taatatattt      180

tattggggtg ataggaaaat ttataaaact tttttttat taaaacataa ataattgaat      240

aattgatcca taaattatga ttaaaagatt aagttactta agggataaca gcgtaattat      300

ttttaagaga acatatcgac aaaatagatt gcgacctcga tgttggatta agataatttt      360

aaaatgcaga agttttaaaa tttggctgtt cgaccaataa ttcttacatg atctgagttc      420

aaaccggtta agccaggtgg ttctatcctt aatttttaa aattaattag tcgaaaggcc      480
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attaattata ataattattt aattgaataa aataaaaaaa aaaaaaaaaa   530

<210>   2145
<211>   504
<212>   DNA
<213>   Ctenocephalides felis

<400>   2145
ataaaattgt tatagaattt aatttttatg ttaaaaagcg taaatattat taaaggacga   60

gaagaccctt taaagtttta tatataaata tagattaatt ttaagaatat tattaaattt   120

atttatatta atatattta ttggggtgat aggaaaattt ataaaacttt ttttttatta   180

aaacataaat aattgaataa ttgatccata aattatgatt aaaagattaa gttacttaag   240

ggataacagc gtaattattt ttaagagaac atatcgacaa aatagattgc gacctcgatg   300

ttggattaag ataattttaa aatgcagaag ttttaaaatt tggtctgttc gaccattaat   360

tcttacatga tctgagttca aaccggttta agccaggttg gtttctatcc ttaatttttt   420

aaaattaatt agtcgaaagg ccattaattt ataataatta ttttaatttg aataaaatta   480

aaaaaaaaaa aaaaaaaaaa aaaa   504

<210>   2146
<211>   542
<212>   DNA
<213>   Ctenocephalides felis

<400>   2146
caaataaagt ttgtttgtga aaaaaagtat ttgtataatt tggattattt ccactatatc   60

agattactca tttgaaccat gtctctcgta ccattgttgt ttcacgattg gtgggaggat   120

tacgaccatc caatgcgcct catggaccaa catttcggaa tgggcctaaa tcgaaatgat   180

cttattacta atctgcgggc aactccatcc ctcttccgtg gcggttatta cagaccttgg   240

aggaatgaaa ttactgctga cgattcctcg tcgaccatcg ttgctgacaa agataaattc   300

caagtgacct tagacgttca gcaattcaaa ccaaaagaaa tcaccgtaaa aacaaaggac   360

aattgcgtaa ttgtggaagg caagcatgaa gaaaaacaag atgagcacgg atatatttcc   420

cgtcattttg ttcgcgatat gtcttgccag aaatcacgat gctgccgatg tagtatctag   480

ttgcctcgga tggagtattg ccatacagcg cccaagaagc ccttcagctg acagacgagt   540

gg   542

<210>   2147
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400> 2147
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aaaacatgtc ttttgaaaa taatataaag tctaatctgc ccattgaaga tttaaaaggc      60

cgcagtaatt tgactgtgca aaggtagcat aatcaatagt tttttaattg aaagctggaa     120

tgaatgattg aatgaaatat taactgtctt aataaaattg ttatagaatt taattttttat    180

gttaaaaagc gtaaatatta ttaaaggacg agaagaccct ttaaagtttt atatataaat     240

atagattaat tttaagaata ttattaaatt tatttatatt aatatatttt attggggtga     300

taggaaaatt tataaaactt ttttttattt aaaacataaa taattgaata attgatccat     360

aaattatgat taaaagatta agttcttaag ggataacagc gtaattattt ttaagagaac     420

atatcgcaaa atagattgcg acctcgatgt tggattaaga taattttaaa atgcagaagt     480

ttaaaatttg gctgtcgcca taatcttaca tgatctgagt caaccggtta agccaggtgg     540

tctatcctt                                                            549
```

<210> 2148
<211> 510
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (155)..(155)
<223> n = unknown

<220>
<221> misc_feature
<222> (412)..(412)
<223> n = unknown

<220>
<221> misc_feature
<222> (473)..(473)
<223> n = unknown

<400> 2148
```
aatattaact gtcttaataa aattgttata gaatttaatt tttatgttaa aaagcgtaaa      60

tattattaaa ggacgagaag accctttaaa gttttatata taaatataga ttaattttaa     120

gaatattatt aaatttattt atattaatat atttnattgg ggtgatagga aaatttataa     180

aacttttttt ttattaaaac ataaataatt gaataattga tccataaatt atgattaaaa     240

gattaagtta cttaagggat aacagcgtaa ttatttttaa gagaacatat cgcaaaatag     300

attgcgacct cgatgttgga ttaagataat tttaaaatgc agaagtttta aaatttggtc     360

tgccgccatt aattcttaca tgatctgagt caaaccggt ttaagccagg tnggttctat      420
```

```
ccttaatttt ttaaaattaa ttagtacgaa aggccattaa ttataataat tantttaatt    480

tgaataaatt aaaaaaaaaa aaaaaaaaa                                       510
```

```
<210>   2149
<211>   549
<212>   DNA
<213>   Ctenocephalides felis
```

```
<220>
<221>   misc_feature
<222>   (512)..(512)
<223>   n = unknown
```

```
<220>
<221>   misc_feature
<222>   (524)..(524)
<223>   n = unknown
```

```
<220>
<221>   misc_feature
<222>   (533)..(533)
<223>   n = unknown
```

```
<400>   2149
agaaaaatta aaattgtgta taagtaaatt taatttattg tatcttgtgt atcagagtta     60

atttaataaa agatatgaag aatatttttc tcgaatttaa aagggtaaat ttattattta    120

atttaatgta atataattat ttaaaataat aaattagtaa tgaaatgtta ttcgttttta    180

aagttatcta gttttttttag aaataaattt aatttattat atttaaatat ttatattaat    240

ttattaaata tagatatttt aaatataaaa tattttttagg gataagctta aaaataaatt    300

attataaatt aataaattat ttataaattt ataggggttat aaatattcat taatataaaa    360

atgttataat ttatttataa ataaattaaa atttagtaga tttttaaattt tttataaaaa    420

taatatttaa aattataaaa aatatgaaat aatgattaaa ttagataata taatttattg    480

taatattaaa tggtaggtta ttaaggattc gncaatatat attncctgtt aanaaaactg    540

cttttgaaa                                                            549
```

```
<210>   2150
<211>   299
<212>   DNA
<213>   Ctenocephalides felis
```

```
<400>   2150
gctaagtaag gcttaaacca ggaaaacaat cttgaataga ctaattagga ttcaaattat     60

cataaagtag tcaattaata taataaatac acaaatgatc tgtgcaatta aatataaaaa    120

atatgtataa aaattaaaat gtataaaatt gtattttatg taaggagcac aaacaaaatg    180
```

```
tcattaacta tagtaatttc tgattatttta aaatatataa atatagaagc tttatgaaat    240

tacatgtatc tttttaataa aaataaatcg tttgggccgt taaaaaaaaa aaaaaaaaa    299
```

```
<210>   2151
<211>   549
<212>   DNA
<213>   Ctenocephalides felis
```

```
<220>
<221>   misc_feature
<222>   (515)..(515)
<223>   n = unknown
```

```
<400>   2151
tgaaataata ataataataa tagtagatta gtattgtaaa agaaaaatta aaattgtgta     60

taagtaaatt taatttattg tatcttgtgt atcagagtta atttaataaa agatatgaag    120

aatattttc tcgaatttaa aagggtaaat ttattattta atttaatgta atataattat    180

ttaaaataat aaattagtaa tgaaatgtta ttcgttttta aagttatcta gttttttag    240

aaataaattt aatttattat atttaaatat ttatattaat ttattaaata tagatatttt    300

aaatataaaa tattttagg gataagctta aaaataaatt attataaatt aataaattat    360

ttataaattt atagggttat aaatattcat taatataaaa atgttataat ttatttataa    420

ataaattaaa atttagtaga tttaaatttt tataaaaata atatttaaaa tataaaaaat    480

atgaaataat gattaaatag ataatataat tatgntatat taaatggtag gttattaagg    540

atccgccaa                                                             549
```

```
<210>   2152
<211>   546
<212>   DNA
<213>   Ctenocephalides felis
```

```
<400>   2152
gttttttaat tgaaagctgg aatgaatgat tgaatgaaat attaactgtc ttaataaaat     60

tgttatagaa tttaattttt atgttaaaaa gcgtaaatat tattaaagga cgagaagacc    120

ctttaaagtt ttatatataa atatagatta attttaagaa tattattaaa tttatttata    180

ttaatatatt ttattggggt gataggaaaa tttataaaac tttttttta ttaaaacata    240

aataattgaa taattgatcc ataaattatg attaaaagat taagttctta agggataaca    300

gcgtaattat ttttaagaga acatatcgac aaaatagatt gcgacctcga tgttggatta    360

agataatttt aaaatgcaga agttttaaaa tttggtctgt tcgaccatta attcttcatg    420
```

```
atctgagttc aaaccggtta agccaggtgg ttctatcctt aattttttaa aattaattag      480

tcgaaaggcc ttaattataa taattattta attgaataaa taaaaaaaac aaaaaaaaaa      540

aaaaaa                                                                  546


<210>   2153
<211>   547
<212>   DNA
<213>   Ctenocephalides felis

<400>   2153
taaatattgt gaaataaatc attttcaaaa tggtgtccaa agtgtttgtc gttcttgcca       60

tcattggctt tattgggggct gcccaagcct cttcgatca agatgccgtc ttagataaga      120

tggtagatga catctctgct gaatatgaaa acagcattgc aagaattagc caagatagca      180

aaattgaaat gattgctgct gaattcgaaa acaaggatt tgcccctgaa gtcgatagag       240

atttggaaag gttcaacaaa gaagttgaaa ggaaacttag caaaaaagtg agtgaagccg      300

caaaggaatg ccttaaaggc caacaccaaa aagctctagg ttttgcacaa gaagctcgtg      360

ctaaggtcaa ggcttgcagg gatgataaac gtgaggaatt caaccaagtt cgccaaaatg      420

gcttgccgct ggagagaagc cagggagaac gccgaagccc tcagagcaca agccaaggag      480

tgcgttgtcc gcaccgtgtc gatgaaccag acttgttgaa agatgtcttc aagctgccgt      540

gaaggac                                                                547


<210>   2154
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2154
ataatgatta aattagtata atataattta ttgataatat taaattgtta ggtttatta      60

aggaattcgg caaatataat attcacctgt ttaacaaaaa catgtctttt tgaaaataat      120

ataaagtcta atctgcccat tgaagattta aaaggccgca gtaatttgac tgtgcaaagg      180

tagcataatc aatagttttt taattgaaag ctggaatgaa tgattgaatg aaatattaac      240

tgtcttaata aaattgttat agaatttaat ttttatgtta aaaagcgtaa atattattaa      300

aggacgagaa gacccttaa agttttatat ataaatatag attaatttta agaatattat      360

taaatttatt tatattaata tattttattg gggtgatagg aaaatttata aaactttttt      420

tttattaaaa cataaataat tgaataattg acctaaatta tgattaaaag ataagttact      480

taagggtaac acgtaattat ttttaagaga acatatcgca aaatagattg cgcctcgtgt      540

ggtaagata                                                              549
```

<210> 2155
<211> 547
<212> DNA
<213> Ctenocephalides felis

<400> 2155
caggtacagg ttgcgttaga gcctctgaaa atacattaaa ctgtcctgat caaactcctc   60

ccgtagacaa cagttttgta tgcgaatcta ttggtatttt ccctgatctg gaagactgta   120

agaaattcca tttctgtatt ccaaatacag aaggtgttaa agcttccaac agaagctttt   180

acctacattc tgaaattgaa aatatgtcca tagaagcaat caaaagtcag accagagttg   240

acaaaacaaa accacgccaa aaatctattg aacacacctg cgacagaggt tatggatacg   300

atcctatgac ggccatgtgc agcataaaat tggataatgg cgaatgtgcg aatagggata   360

aaatccaatg caaagctgtt ggcgagtcta cgctctcag ccttggttcg agctacttct   420

acgtctgcat agagttgctg gaggatatgc aaatctcaag gcaacttgtc ctaggctata   480

taggtgcccc atggtgaatt ttcttcaagg tcctgatcga acaagatgat gaagatgaag   540

ataatct   547

<210> 2156
<211> 549
<212> DNA
<213> Ctenocephalides felis

<400> 2156
aaaaatatga aataatgatt aaattagtat aatataattt attgataata ttaaattgtt   60

aggtttattt aaggaattcg gcaaatataa tattcacctg tttaacaaaa acatgtcttt   120

ttgaaaataa tataaagtct aatctgccca ttgaagattt aaaaggccgc agtaatttga   180

ctgtgcaaag gtagcataat caatagtttt ttaattgaaa gctggaatga atgattgaat   240

gaaatattaa ctgtcttaat aaaattgtta tagaatttaa tttttatgtt aaaaagcgta   300

aatattatta aaggacgaga agacccttta aagttttata tataaatata gattaatttt   360

aagaatatta ttaaatttat ttatattaat atattttatt ggggtgatag gaaaatttat   420

aaaacttttt ttttattaaa acataaataa ttgaataatt gaccataaat tatgattaaa   480

agattaagtt acttaaggga taacagcgaa tattttaaga gacatatcgc aaaatagatt   540

gcgcccgat   549

<210> 2157
<211> 271
<212> DNA

<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (18)..(18)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (22)..(22)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (28)..(28)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (42)..(42)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (246)..(246)
<223>   n = unknown

<400>   2157
ctgtcttaat aaaattgnta tngaattngg tttttatgtt anaaagcgtc catattatta   60

aaggacgaga agacccttta aagttttata tataaatata gattaatttt aagaatatta   120

ttaaatttat ttatattaat atattttatt ggggtgatag gaaaatttat aaaacttttt   180

tttattaaaa cataaataat tgaataattg atccataaat tatgattaaa agattaagtt   240

acttanggga taacagcgta attattttta a   271

<210>   2158
<211>   481
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (234)..(234)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (286)..(286)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (318)..(318)

<223> n = unknown

<220>
<221> misc_feature
<222> (355)..(355)
<223> n = unknown

<220>
<221> misc_feature
<222> (361)..(361)
<223> n = unknown

<220>
<221> misc_feature
<222> (365)..(365)
<223> n = unknown

<220>
<221> misc_feature
<222> (423)..(423)
<223> n = unknown

<220>
<221> misc_feature
<222> (440)..(440)
<223> n = unknown

<400> 2158
aacttcatgt actataatat tatatttgta ttatatgtat tataaattca tacatgcaca   60

cacacacata tgtatatata tatatatata tatatatata tatatagttc aaaaataata   120

gcagctaatt attcaaccaa catgataata taactgttac ggattcttca caattattca   180

atattgaata attcagaata tatatatata tatatatata tatatatata tatncatgtg   240

tacgaacatg tatatgtgta tatatatata tatatatata tatttntata tatatatatg   300

tatattcgca catgtgtntg tacatgtata taggtataga tgtttttttt gacanacata   360

ntgtntatta gtatatatat aaactatagt ataaaatat aaatgagtgg ttcatttact   420

ttntgcacac ctgactcatn gaatcttgct ttctaagaca taaaatagaa taattaaaat   480

t   481

<210> 2159
<211> 546
<212> DNA
<213> Ctenocephalides felis

<400> 2159
tttagtgaag tgagtgtgtg aagatacttc aatcagattc tttcttggac ctgtaaatac   60

tccgcataaa ttacaaaatg tcttcatcag ttctaccaga agaaaatcca atctatggac   120

ctttctttgg agtcatgggc gcagcgtcgg ctatcatttt cagcgcactg ggtgccgcat   180

```
atggaacagc caagtccggc actggtatcg ccgctatgtc cgtgatgaga cctgaattga    240

tcatgaaatc gatcattcca gttgttatgg ctggtatcat tgctatctac ggcctggttg    300

ttgcggtact gattgcgggt gctctggagg aaccaaaaac ctactcactt tataagggct    360

tcatacatct cggcgctggt ttggccgtag gattttccgg cttgcggcgg gttttgcgat    420

tggaatcgtt ggtgatgctg gagtacgagg aacacccaac aacctcgtct gtttgtggaa    480

tgatcttgat cctgatcttc ctgaagattg ggtctatatg cttatcgta  ccatctacct    540

tacacc                                                               546
```

```
<210>    2160
<211>    550
<212>    DNA
<213>    Ctenocephalides felis

<400>    2160
cagttatttg actgtgcaaa ggtagcataa tcaatagttt tttaattgaa agctggaatg    60

aatgattgaa tgaaatatta actgtcttaa taaaattgtt atagaattta atttttatgt    120

taaaaagcgt aaatattatt aaaggacgag aagacccttt aaagttttat atataaatat    180

agattaattt taagaatatt attaaattta tttatattaa tatattttat tggggtgata    240

ggaaaattta taaaactttt tttttattaa aacataaata attgaataat tgatccataa    300

attatgatta aaagattaag ttacttaagg ataacagcg taattatttt taagagaaca     360

tatcgacaaa atagattgcg acctcgatgt tggattaaga taattttaaa atgcagaagt    420

tttaaaattt ggtctgtcgc cattaattct tcatgatctg agttcaaacc ggttaagcca    480

ggtggttcta tccttaattt ttaaaattaa ttagtacgaa agaccataat tataataata    540

tttaattgga                                                           550
```

```
<210>    2161
<211>    541
<212>    DNA
<213>    Ctenocephalides felis

<400>    2161
aggaatgcct taaaggccaa caccaaaaag ctctaggttt tgcacaagaa gctcgtgcta    60

aggtcaaggc ttgcagggat gataaacgtg aggaattcaa ccaagttcgc caaaatggct    120

tggccgcctg gagagaagcc agggagaacg ccgaagccct cagagcacaa gccaaggagt    180

gcgttgttac cgcagccgat gtcgatgaag ccagagcttg cttgaaagat gtccttcaag    240

ctgcccgtga aggagccaag gacttggcca aggctttcaa agaaacctgg tcccaattgg    300

gcaacttggt tcgtgaagtc ggcaaatgcg caagaggagc cgtgaaggaa ttcagagata    360
```

```
acttggtaca agtccgtaaa gactgtgctg actgcttaaa acttactgac aactaaatta    420

gtttaggaat tttataacaa actgtaattt gcttaaattt gctttatgat cagctagttg    480

tatattattt gaatttgatg gtttagtttt tatgtacatt ttgcaaataa aattgttatg    540

a                                                                    541
```

```
<210>   2162
<211>   518
<212>   DNA
<213>   Ctenocephalides felis

<400>   2162
cttaacctac aataaatttt taacttattc tattttaaat tgcaattttt atttatctat     60

atattatttt aaaatgtgca cagatttgtc gagagttttg tctattcaga gtcatgtagt    120

gtcaggatat gttggaaata aaagtgccac ttttcctctg caagtattag gatttgaagt    180

ggatactatc aattccgtgc agttttctaa tcatactgga tataaacatg tacgagggca    240

agttctaacg gacaaggaat taggagagct ggcagaaggg ttagcattga atggtatcaa    300

tgtctacagt cacttattaa cgggttatgt agctaatcca gattttctta aaacaattgc    360

aaacgtcgtt aaggaattga gagaaaaaaa tccaaaattg acatacgttt gcgatccagt    420

gttaggtgat aatggaaaaa tgtatgttcc agaatcatta ttaccaattt atagagaatt    480

aattattcca tggctgatat tgtactccaa tcaattga                           518
```

```
<210>   2163
<211>   537
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (507)..(507)
<223>   n = unknown

<400>   2163
aggcactaaa cctttcggat ttttagacga ttattgtcgc ctggtgatag ttgtcaaagg     60

tgaaggactg gagaatggcg ataacacggt caaattgtct ttcttcgtca agacacttcc    120

acgatataat gaaaacagat taagacaaat tcatcaacat ggtgttttca gaaaggaaac    180

tatgatgtac taccttttgc taccaatgct caaaggcgat aatggaccca gcctggcg     240

tccaaaatgc ttcctcgtcc gcaacgacat agtcgttttg caagatttat ccatgtataa    300

ttttcgccat tcgtacccaa aattctcttt ggatcttgat catgttaaag ttgctttaac    360
```

```
ggcattggct cgtatgcatg caagttgcat tatctacgag aagaaaaaaa attgttgcat    420

ggggagagtt tacaaagatc ttatgttcga gactatggcc aataataatc aatggtggag    480

gactggagag gatctgctta gcaattntga ggaatctgag aatcgtaaat atccgat       537
```

```
<210>  2164
<211>  546
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (8)..(8)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (42)..(42)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (411)..(411)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (430)..(430)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (512)..(512)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (519)..(519)
<223>  n = unknown

<400>  2164
cggcccgnga gtttgtcgtg ggacgactca ttattattta tnttgtgata atcttttaaa     60

tctcctaaaa tgaggatcta caaagacatc attactggtg atgagatgtt ctcagacaca    120

tataaaataa agttggtcga tgaagttttg tacgaagtga ccggcaaatt ggtttcaagg    180

tctcaagggg atatccaaat tgaaggtttc aacccatctg ctgaagaggc tgatgaagga    240

actgaaacag ccacggaatc tggtgttgat gtggtcttaa atcaccgctt tgtgaaactt    300

ttgccttctc agataaaaaa tcatacactc tttatttaaa agattatatg aaaaaattgg    360

tggcgaaatt agaggagaaa tcaccagaac aagttgaggt attcaaaaca natatgaaca    420

aagtcatgan agaaatatta agccgtttaa agaatgcaaa tgtcactggt gaatcaatgg    480
```

```
ttgtgatggc atggttgctt tatggaattc gngaaatant ggtgaattgt ccatttgatg    540

tcttaa                                                               546
```

```
<210>  2165
<211>  537
<212>  DNA
<213>  Ctenocephalides felis

<400>  2165
gtgaacccca agtattgggt tttcccgatg gtttcccacg ggttgtaggt ggacacactg     60

ccaatgagca tcaattccca tggcaagtat ccctccaaag atttggaagt cacttctgcg    120

gtggttccat catcaattct gaatgggttc tcactgctgc tcattgcatc agtggcactt    180

ccggatttga tgccgtagta ggaaaacacg atctttcaaa aactgaagct actgaacagc    240

gatctgcctt caagagaact attgtgcaca aatcttatgc tggaggcgtc aatccttatg    300

acatcgcttt gatccaagtt gccacaccat tcaagctgat cgaaaacgtt aaagctgtta    360

agcttcaact aaagatgagg ctcactcagg acaagttaca ttgctggatg gggatctact    420

tctacttcag cttccccagc tccctaataa actacagact gttgacaaac caattgtcca    480

taccccgagt gtgaaaaggc ttaggaggac aggatctact cattgaccca acaactt       537
```

```
<210>  2166
<211>  534
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (34)..(34)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (56)..(56)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (91)..(91)
<223>  n = unknown

<400>  2166
ctggaatgaa tgattgaatg aaatattaac tgtnttaata aaattgttat agaatntaat     60

ttttatgtta aaaagcgtaa atattattaa nggacgagaa gaccctttaa agttttatat    120

ataaatatag attaatttta agaatattat taaatttatt tatattaata tattttattg    180
```

```
gggtgatagg aaaatttata aaactttttt tttattaaaa cataaataat tgaataattg    240

atccataaat tatgattaaa agattaagtt acttaaggga taacagcgta attattttta    300

agagaacata tcgacaaaat agattgcgac ctcgatgttg gattaagata attttaaaat    360

gcagaagttt taaaatttgg tctgttcgac cattaattct tacatgatct gagttcaaac    420

cggttaagcc aggttggttc tatccttaat tttttaaaat taattagtac gaaaggccat    480

taatttataa taattattta atttgaataa aattaaaaaa aaaaaaaaaa aaaa          534
```

```
<210>  2167
<211>  550
<212>  DNA
<213>  Ctenocephalides felis

<400>  2167
aggaggcgag gcggagattt ttttacgtga aagactttga ggagtgattg tttatcagca    60

accaacagaa aatggggtcc gagatgaaaa gtacatgcta caaatgcaat cgcgtaggac    120

actttgccag agaatgcacc caaggaggcg gaggtatggg aggtggccgg gaccgcgatg    180

gcggtcacag ggactcgggc cgcgtgcgtg agaaatgcta caagtgtaat agatttggcc    240

actttgccag agactgcaag gaggaggctg accgatgcta cagatgcaat ggcactggac    300

acattgctcg cgcttgtctg caaagcccag atgagccatc ctgttacaac tgtaacaagc    360

caggacacat tgcgaggaat tgtcctgaga gcggtggtta tgactctcag agtaggtcca    420

accaagcgtg ttacaactgc agcaaaactg gtcatatatc cgtactgcca gaaaatgcta    480

aacttgtatg ttgtggaaag ctgtcacata accgtgatgg atcaaatgac cacactagtc    540

aatatatcta                                                          550
```

```
<210>  2168
<211>  550
<212>  DNA
<213>  Ctenocephalides felis

<400>  2168
aaagtgtccg gtgcgttgtg gataaaattt attaaattta ttaataaatt attaataaat    60

tggtggttta ttatttttaa aatttacagt acacatcaag cataattttc aaaaatggtc    120

caagaaaccg aatgcaaatt aaatggatcc tcaaaccccg aggaaactaa tgtgattcac    180

ggtccagccg cgcctgccaa cgaaggtttg aggggctttg agaggaaat ttatgacaga    240

atagttttac atggcgatag agtatccatg atcgacggag acaccgatcg ctccaccacc    300

ttcgacgccc ttcgggcacg cagtgcagca atcgctctag ccctaagggc tcgtggagtg    360

accaacaaag acgtcataac tttggtagaa ctcaccacag aagactcttt tgcattgttt    420
```

```
tggggataat tttctcagga gccactttag ggatgttgga tggagcctga cagtcccaaa    480

cactgctagt ccctctcctt tatataacca agggttctgt tacacatgtc cagtgttgga    540

taggcaagaa                                                           550
```

```
<210>  2169
<211>  546
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (450)..(450)
<223>  n = unknown

<400>  2169
ttcagatatt tactaaatat tgtgaaataa atcattttca aaatggtgtc caaagtgttt    60

gttgctcttg ccatcattgg ctttataggg gctgcacaag ccttttttcga acaagatgcc   120

gtcttagata agatggtaga tgacatctct gctgaatatg agaacagcat tgcaagaatt    180

agccaagata gcaaaattga tatgattgcc gctgaattcg aaaaacaagg atttgcccct    240

gaagtcgata gagatttgga gaggttcaac aaagaagttg aaaggaaact tagcaaaaaa    300

gtgagtgaag ccgcaaagga atgccttaaa ggccaacacc aaaaagctct agctacgcac    360

aagaagcccg tgctaaggtc aaggcttgca gagatgacaa acgtgatgaa ttcaaccaag    420

ttcgccaaat ggctggccgc tggagagaan cagggagaac ccgaacccta gacacaacca    480

aggatgcgtt gtgacgcagc catgtcatga agcagagttg cttgaaaggg ttctccaact    540

gccacg                                                               546
```

```
<210>  2170
<211>  550
<212>  DNA
<213>  Ctenocephalides felis

<400>  2170
tagatttcca catgcatccc tcgtacaata agagggcgga ttatgatttt gacgttgctg    60

tactagaact tgaaaaacca gtctcatata cggtttgtac agtagtatca gtagatttag    120

ccgaaagtgg aactgaagtt aaacctggag caatacttag tgtcactgga tggggtgcaa    180

ctaaggaagg tggtggcgga actttgcaac tacaaggtgt gaaagttcca gctatctctc    240

ccaaagattg tgctaaggga tatccacctt ctggaggtaa agacaaaatt acagacagca    300

tgttatgtgc tggtcttcct gaaggaggta agattcctg ccaaggcgac agtggcggtc    360
```

```
cactggtaga tgaaaataga aagcaagtag gagtggtttc ttggggtcaa ggatgtgcca    420

gaccaggaaa accaggaatt tatgctaaag tgtcacaccc cgaaatcagg aaatttattg    480

aaaaatatgc taatgttaag tggattcatt tcaatataat gtgattaaga tctcttatgt    540

atgattgaat                                                          550
```

```
<210>    2171
<211>    550
<212>    DNA
<213>    Ctenocephalides felis

<400>    2171
ctcatcttac aagataaagg atggattaga tgggcgcatt gttggaggac aagatgctga     60

tattgccaaa tatggctatc aagcttcact ccaagtattt aacgaacatt tctgtggagc    120

ttcaatattg aataattatt ggattgtcac agcagctcat tgcatatatg atgaattcac    180

gtattcagtt cgagtcggca ccagtttcca aggaagacgt ggttccgttc atcctgtggc    240

acaaattatc aagcatcctg catacggtaa tgtaactgac atcgatatgg atgtcgccct    300

catcaaggtt cgaagaccat tccggttgaa taacagaact gttagaacag tcaaacttac    360

tgatgttgga aaagacatgc catcaggaga attagccact gttactggct ggggaaattt    420

aggggaagat gaagacgacc ccgacaactg caatatgtaa aggtcctatt gtaactgact    480

cagtgcaaaa ctattatgga aatgaagact aataataccc aaaattgatt gtgctggtat    540

cctgaagcgg                                                          550
```

```
<210>    2172
<211>    550
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (4)..(4)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (522)..(522)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (536)..(536)
<223>    n = unknown

<400>    2172
cgtnttacaa tattaaacgt gaattcgttt tgccgggtcg tagtaaccaa tttaatataa     60
```

```
tggctcctcc accatacgca gacttgggga aacaagctag ggaggtattt aacagtggct    120

atcattttgg tcttttcaaa ttgaatttga aaactaaaac tgcctctggg gttgaattca    180

cttcaggagg aacttctgaa catgaaactg gcaaggtatt tggatctttg gagacaaaat    240

acaaagtaag tgattacggt ctcacttttt ctgaaaaatg gaacacagac aatactttag    300

ctacagaagt ttccatacaa gatcaaatag ctaaaggttt gaaagtatca ttcgactgct    360

ctttcgcacc acaaacggga agcaaaactg gtgttttgaa aactgcttct tacatgatag    420

tgtgcagtaa atgctgatgt aaatttgaat tatcaggacc tttgatcaat gccagccagt    480

agttggtatc aaggatggtg gccggtatca aactggattt gntctgaaat tcaagncaca    540

aagacacttg                                                           550
```

```
<210>    2173
<211>    496
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (433)..(433)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (475)..(475)
<223>    n = unknown

<400>    2173
tcttaataaa attgttatag aatttaattt ttatgttaaa aagcgtaaat attattaaag     60

gacgagaaga ccctttaaag ttttatatat aaatatagat taattttaag aatattatta    120

aatttattta tattaatata ttttattggg gtgataggaa aatttataaa actttttttt    180

tattaaaaca taaataattg aataattgat ccataaatta tgattaaaag attaagttac    240

ttaagggata acagcgtaat tattttttaag agaacatatc gacaaaatag attgcgacct    300

cgatgttgga ttaagataat tttaaaatgc agaagtttta aaatttggtc tgttcgccat    360

taatcttaca tgatctgagt tcaaaccggt taagccaggt tggttctatc cttattttta    420

aaattaatta gtncgaaagg ccattaatta taataattat tttaattgga taaantaaaa    480

aaaaaaaaaa aaaaaa                                                     496
```

```
<210>    2174
<211>    539
<212>    DNA
```

<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (29)..(29)
<223> n = unknown

<400> 2174
agaccctgct atatcgggtc gagtttgcna aagagtttta tttaatttat tgttgccgcc   60

cgtgttaaat taagtaaact ttttcaagat gatgcccgca cttgcagacc cagtggcttt   120

cgccaaggat ttcgccgcag gtggtatttc tgccgcagtc tctaagactg tggtagcacc   180

catcgaacgt gtcaaattgc tcctgcaagt acaacacatt tccaaacaaa ttgctgagga   240

taaacgttac aaaggtatca tcgattgctt tgtacgtatc cctaaggagc agggcgtact   300

ttccttctgg cgtggtaact tggccaatgt cattcgttat ttcccaactc aggctttgaa   360

cttcgcattc aaagacaagt acaagcaagt tttcttgggt ggagttgaca agaagaccca   420

attctggcgt tacttcgcag gaaacttggc atctggtggt gctgtggagc cacatattgt   480

gcttcgctac ccacttgatt tcgccgtacc agattggccg ctgatgtagg taaagcctg   539

<210> 2175
<211> 542
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (33)..(33)
<223> n = unknown

<400> 2175
ctgtgttaat ttaataaaag atatgaagaa tgnttttctc gaatttaaaa gggtaaattt   60

attatttaat ttaatgtaat ataattattt aaaataataa attagtaatg aaatgttatt   120

cgtttttaaa gttatctagt ttttttagaa ataaatttaa tttattatat ttaaatattt   180

atattaattt attaaatata gatattttaa atataaaata tttttaggga taagcttaaa   240

aataaattat tataaattaa taaattattt ataaatttat agggttataa atattcatta   300

atataaaaat gttataattt atttataaat aaattaaaat ttagtagatt ttaaattttt   360

tataaaaata atatttaaaa ttataaaaaa tatgaaataa tgattaaatt agtataatat   420

aatttattga taatattaaa ttgtaggttt atttaaggaa ttcggcaaat ataatattcc   480

ctgttaacaa aaacatgctt tttgaaaata atataaagtc taatctgcca tgaagattaa   540

aa   542

<210> 2176
<211> 540
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (29)..(30)
<223> n = unknown

<400> 2176
taggaatgcc ttaaaggcca acaccaaann gctctaggtt ttgcacaaga agctcgtgct   60

aaggtcaagg cttgcaggga tgataaacgt gaggaattca accaagttcg ccaaaatggc   120

ttggccgcct ggagagaagc cagggagaac gccgaagccc tcagagcaca agccaaggag   180

tgcgttgtta ccgcagccga tgtcgatgaa gccagagctt gcttgaaaga tgtccttcaa   240

gctgcccgtg aaggagccaa ggacttggcc aaggctttca agaaacctg gtcccaattg   300

ggcaacttgg ttcgtgaagt cggcaaatgc gcaagaggag ccgtgaagga attcagagat   360

aacttggtac aagtccgtaa agactgtgct gactgcttaa aacttactga caactaaatt   420

agtttaggaa ttttataaca aactgtaatt tgcttaaatt tgctttatga tcagctagtt   480

gtatattatt tgtaatttga tggtttagtt ttttatgtaa catttgacaa taaaaatggt   540

<210> 2177
<211> 542
<212> DNA
<213> Ctenocephalides felis

<400> 2177
atttttacta aatattgtga aataaatcat tttcaaaatg gtgtccaaag tgtttgttgc   60

tcttgccatc attggcttta taggggctgc acaagccttt ttcgaacaag atgccgtctt   120

agataagatg gtagatgaca tctctgctga atatgagaac agcattgcaa gaattagcca   180

agatagcaaa attgatatga ttgccgctga attcgaaaaa caaggatttg cccctgaagt   240

cgatagagat ttggagaggt tcaacaaaga agttgaaagg aaacttagca aaaaagtgag   300

tgaagccgca aaggaatgcc ttaaaggcca acaccaaaaa gctctaggct acgcacaaga   360

agcccgtgct aaggtcaagg cttgcagaga tgacaaacgt gatgaattca accaagttcg   420

caaaatggct tgccgctgga gagaagccag ggagaacgcc gaaccctcag agcacaagcc   480

aaggagtgcg ttgtgaccgc agccgtgtcg atgaaccaga gtttgctgaa aggggttctc   540

ca   542

```
<210>   2178
<211>   518
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (29)..(29)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (37)..(37)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (466)..(466)
<223>   n = unknown

<400>   2178
ttattaactg tcttaataaa attgttatng aatttanttt ttatgttaaa aagcgtaaat     60

attattaaag gacgagaaga ccctttaaag ttttatatat aaatatagat taattttaag    120

aatattatta aatttattta tattaatata ttttattggg gtgataggaa aatttataaa    180

actttttttt tattaaaaca taaataattg aataattgat ccataaatta tgattaaaag    240

attaagttac ttaagggata acagcgtaat tattttttaag agaacatatc gacaaaatag    300

attgcgacct cgatgttgga ttaagataat tttaaaatgc agaagtttta aaatttggtc    360

tgttcgacca ttaattctta catgatctga gttcaaaccg gtttaagcca ggttggtttc    420

tatccttaat ttttttaaaat taattagtac gaaaggccat taattnataa taattatttt    480

aatttgaata aaattaaaaa aaaaaaaaaa aaaaaaaa                             518


<210>   2179
<211>   540
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (29)..(29)
<223>   n = unknown

<400>   2179
ttattccaag tgcattctga aatttcggna atgctgaaga catcttgcat ttttgctctg     60

gtggctttaa gcctctttca aatttcaatt gccattccta ccatagaggc agaaccaatc    120

caaaatgcta ttccaacaac cttcgaaatc agtcaaagag gtattgtctc agatgtttttg    180
```

```
caggagttgg tatacaattt ggacgtttta gttaccgaag tttttgataa tgtagctaaa    240

gtaactacag acataaccac tggcctcggt aaagttttag ttgcactaac caaagaaata    300

gaagctgtta caaaaggaac cttgaatttg ataagtgaag caattagaat aaagtccgaa    360

cttttgctta gatttagaga tgcattgatg agaccagcct tgtctaaagc aaagctttcc    420

ttggaacgac ttgaaaaggc tgtttcaatg gctattgatg atgctagact taaatttgaa    480

aatgccatcc aagaaatgaa tgacgacgca gtaggcattc ttaattcctc actgaaaaat    540
```

```
<210>   2180
<211>   542
<212>   DNA
<213>   Ctenocephalides felis

<400>   2180
atttactaaa tattgtgaaa taaatcattt tcaaaatggt gtccaaagtg tttgtcgttc     60

ttgccatcat tggctttatt ggggctgccc aagccttctt cgatcaagat gccgtcttag    120

ataagatggt agatgacatc tctgctgaat atgaaaacag cattgcaaga attagccaag    180

atagcaaaat tgaaatgatt gctgctgaat cgaaaaaca aggatttgcc cctgaagtcg    240

atagagattt ggaaaggttc aacaaagaag ttgaaaggaa acttagcaaa aaagtgagtg    300

aagccgcaaa ggaatgcctt aaaggccaac accaaaaagc tctaggtttt gcacaagaag    360

ctcgtgctaa ggtcaaggct tgcagggatg ataaacgtga ggaattcaac caagttcgca    420

aaatggcttg cccgctggag agaagccagg gagaacgccg aaccctcaga gcacaagcca    480

aggagtgcgt gtaccgcacc gtgtcgatga accagacttg ttgaagatgt cttcaagctg    540

cc                                                                   542
```

```
<210>   2181
<211>   542
<212>   DNA
<213>   Ctenocephalides felis

<400>   2181
caatagtttt ttaattgaaa gctggaatga atgattgaat gaaatattaa ctgtcttaat     60

aaaattgtta tagaatttaa tttttatgtt aaaaagcgta atattatta aaggacgaga    120

agaccctta aagttttata tataaatata gattaatttt aagaatatta ttaaatttat    180

ttatattaat atattttatt ggggtgatag gaaaatttat aaaacttttt ttttattaaa    240

acataaataa ttgaataatt gatccataaa ttatgattaa aagattaagt tacttaaggg    300

ataacagcgt aattatttt aagagaacat atcgacaaaa tagattgcga cctcgatgtt    360
```

```
ggattaagat aattttaaaa tgcagaagtt ttaaaatttg gtctgttcga ccattaattc      420

ttacatgatc tgagttcaaa ccggttaagc caggtggttc tatccttaat tttttaaaat      480

taattagtcg aaaggccatt aatttataat aattatttta atttgataaa attaaaaaaa      540

aa                                                                      542
```

```
<210>   2182
<211>   540
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (29)..(29)
<223>   n = unknown

<400>   2182
ttcgacttct gagtggttac ggcagaagnt acgtaagcac actccaaaaa atactatcag       60

tgctcataaa ggatttaata ttctccgtac agtagcttac aggtgagatc aatttaattc      120

aactcaactg gctatacatt ttattacaag atgcactccg taatcaattc cactttgcga      180

accctgagca aaacagaatc gggtaaaatc gcatcgattt tatcgaacag caggagttat      240

gctgccaaag cagcagcagg tgcccaaggc aaagttgttg ccgttatcgg tgctgttgta      300

gatgtacaat tcgaagatag cttacctccc atcctaaatg ctcttgaagt atccaacaga      360

aagccaaggc tcgtccttga agtagcccag catttaggag aaaataccgt ccgtacaatt      420

gctatggatg gtaccgaggg tttggtacgt ggtcaaggtg ttgttgactg cggatcaccc      480

atcaggatcc cgtgggagct gagacattgg gcaggatcat gaacgtcatc ggagaccaat      540
```

```
<210>   2183
<211>   542
<212>   DNA
<213>   Ctenocephalides felis

<400>   2183
attgtatctt gtgtatcaga gttaatttaa taaaagatat gaagaatatt tttctcgaat       60

ttaaaagggt aaatttatta tttaatttaa tgtaatataa ttatttaaaa taataaatta      120

gtaatgaaat gttattcgtt tttaaagtta tctagttttt ttagaaataa atttaattta      180

ttatatttaa atatttatat taatttatta aatatagata ttttaaatat aaaatatttt      240

tagggataag cttaaaaata aattattata aattaataaa ttatttataa atttataggg      300

ttataaatat tcattaatat aaaaatgtta taatttatt ataaataaat taaaatttag       360

tagatttttaa attttttata aaataatat ttaaaattat aaaaaatatg aaataatgat      420
```

```
taaattagta taatataatt tattgataat attaaattgt aggttattta aggaattcgc      480

aaatataata ttccctgtta acaaaaactg tcttttgaaa taatataaag tctaatctgc      540

ca                                                                      542
```

```
<210>    2184
<211>    539
<212>    DNA
<213>    Ctenocephalides felis

<400>    2184
atggtgtcca aagtgtttgt cgttcttgcc atcattggct ttattggggc tgcccaagcc       60

ttcttcgatc aagatgccgt cttagataag atggtagatg acatctctgc tgaatatgaa      120

aacagcattg caagaattag ccaagatagc aaaattgaaa tgattgctgc tgaattcgaa      180

aaacaaggat ttgcccctga agtcgataga gatttggaaa ggttcaacaa agaagttgaa      240

aggaaactta gcaaaaaagt gagtgaagcc gcaaaggaat gccttaaagg ccaacaccaa      300

aaagctctag gttttgcaca agaagctcgt gctaaggtca aggcttgcag ggatgataaa      360

cgtgaggaat tcaaccaagt tcgccaaaat ggcttggccg ctggagagaa gccagggaga      420

acgccgaagc cctcagagca aagccaagg agtgcgttgt taccgcagcc gatgtcgatg       480

aaccagactt gcttgaaaga tgtccttcaa gctgccgtga aggaccaaga cttgccaag       539
```

```
<210>    2185
<211>    540
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (30)..(30)
<223>    n = unknown

<400>    2185
ataaatcatt ttcaaaatgg tgtccaaagn gtttgtcgtt cttgccatca ttggctttat       60

tggggctgcc caagccttct tcgatcaaga tgccgtctta gataagatgg tagatgacat      120

ctctgctgaa tatgaaaaca gcattgcaag aattagccaa gatagcaaaa ttgaaatgat      180

tgctgctgaa ttcgaaaaac aaggatttgc ccctgaagtc gatagagatt tggaaaggtt      240

caacaaagaa gttgaaagga aacttagcaa aaaagtgagt gaagccgcaa aggaatgcct      300

taaaggccaa caccaaaaag ctctaggttt tgcacaagaa gctcgtgcta aggtcaaggc      360

ttgcagggat gataaacgtg aggaattcaa ccaagttcgc caaaatggct tgccgctgga      420
```

```
gagaagccag ggagaacgcc gaagccctca gagcacaacc aaggatgcgt tgtaccgcac    480

cgatgtcgat gaaccagact tgcttgaaag atgtccttca agctgccgtg aaggaccaag    540
```

```
<210>  2186
<211>  497
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (31)..(31)
<223>  n = unknown

<400>  2186
gcaacttgtg tcaggtgaca gtcttgtgat ngatctggtg ttggctctga aatagttcga     60

acaggatcag agtgtgtttt aaaacgacaa ataaccaaag gagccaaaat gcctcaagaa    120

cttaataaaa tctcggatga agagcgagag ggaaaattcg gctatgtata cgccgtttct    180

ggtcctgtcg taacagctga acgtatgtca ggatcagcta tgtacgaatt ggtacgtgta    240

ggatactatg aacttgtcgg agaaatcatt aggttggaag gtgatatggc tactattcag    300

gtatatgaag aaacatcagg tgtaactgta ggtgaccctg ttctaagaac aggaaaacca    360

ttgtccgtag aacttggacc aggtatcttg ggaagtatct ttgatggtat ccaacgtcca    420

cttaaagata ttaatgagtt aactcaatcg atttacattc ccaagggtgt taatattcct    480

gctctgcaaa aacacag                                                   497
```

```
<210>  2187
<211>  495
<212>  DNA
<213>  Ctenocephalides felis

<400>  2187
ttgttataga atttaatttt tatgttaaaa agcgtaaata ttattaaagg acgagaagac     60

cctttaaagt tttatatata aatatagatt aattttaaga atattattaa atttatttat    120

attaatatat tttattgggg tgataggaaa atttataaaa cttttttttt attaaaacat    180

aaataattga ataattgatc cataaattat gattaaaaga ttaagttact taagggataa    240

cagcgtaatt atttttaaga aacatatcg acaaaataga ttgcgacctc gatgttggat    300

taagataatt ttaaaatgca gaagtttaa aatttggtct gttcgaccat taattcttac    360

atgatctgag ttcaaaccgg tttaagccag gttggtttct atccttaatt ttttaaaatt    420

aattagtacg aaaggccatt aatttataat aattatttta atttgaataa aataaaaaaa    480

aaaaaaaaaa aaaa                                                      495
```

<210> 2188
<211> 471
<212> DNA
<213> Ctenocephalides felis

<400> 2188
aaaaagcgta aatattatta aaggacgaga agacccttta aagttttata tataaatata   60

gattaatttt aagaatatta ttaaatttat ttatattaat atattttatt ggggtgatag   120

gaaaatttat aaaacttttt ttttattaaa acataaataa ttgaataatt gatccataaa   180

ttatgattaa aagattaagt tacttaaggg ataacagcgt aattattttt aagagaacat   240

atcgacaaaa tagattgcga cctcgatgtt ggattaagat aattttaaaa tgcagaagtt   300

ttaaaatttg gtctgttcga ccattaattc ttacatgatc tgagttcaaa ccggtttaag   360

ccaggttggt ttctatcctt aatttttttaa aattaattag tacgaaaggc cattaatttta   420

taataattat tttaatttga ataaaattaa aaaaaaaaaa aaaaaaaaaa a   471

<210> 2189
<211> 522
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (485)..(485)
<223> n = unknown

<400> 2189
gaaatattaa ctgtcttaat aaaattgtta tagaatttaa tttttatgtt aaaaagcgta   60

aatattatta aaggacgaga agacccttta aagttttata tataaatata gattaatttt   120

aagaatatta ttaaatttat ttatattaat atattttatt ggggtgatag gaaaatttat   180

aaaacttttt ttttattaaa acataaataa ttgaataatt gatccataaa ttatgattaa   240

aagattaagt tacttaaggg ataacagcgt aattattttt aagagaacat atcgacaaaa   300

tagattgcga cctcgatgtt ggattaagat aattttaaaa tgcagaagtt ttaaaatttg   360

gtctgttcgc cattaattct tcatgatctg agttcaaacc ggttaagcca ggttggtttc   420

tatccttaat tttttaaaat taattagtcg aaaggccatt aatttataat aattatttta   480

atttnataaa attaaaaaaa aaaaaaaaaa aaaaaaaaaa aa   522

<210> 2190
<211> 486
<212> DNA

<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (419)..(419)
<223> n = unknown

<400> 2190
tgtgaaataa atcattttca aaatggtgtc caaagtgttt gtcgttcttg ccatcattgg   60

ctttattggg gctgcccaag ccttcttcga tcaagatgcc gtcttagata agatggtaga   120

tgacatctct gctgaatatg aaaacagcat tgcaagaatt agccaagata gcaaaattga   180

aatgattgct gctgaattcg aaaaacaagg atttgcccct gaagtcgata gagatttgga   240

aaggttcaac aaagaagttg aaaggaaact tagcaaaaaa gtgagtgaag ccgcaaagga   300

atgccttaaa ggccaacacc aaaaagctct aggttttgca caagaagctc gtgctaaggt   360

caaggcttgc agggatgata acgtgagga attcaaccaa gttcgccaaa atggcttgnc   420

gctggagaga accagggaga acgccgaagc cctcagagca caagccaagg agtgcgttgt   480

accgca   486

<210> 2191
<211> 471
<212> DNA
<213> Ctenocephalides felis

<400> 2191
ataaaaatgg gtttcatgtt taatattgat ggtggctatc tggaaggcct gtgccgtggt   60

ttcaagtgcg gaattcttaa acaatccgat tatttaaatc ttgtgcaatg tgaaactctt   120

gaagatttga agctgcacct ggcaggtaca gattatggca ccttttttatc aaatgagcct   180

tccccccttat ctgtgtctac cattgatgac aaattacgtg aaaaattggt tattgaattc   240

caacacatga gaaaccatgc tgtcgaacct ctgtccactt tcttggattt cataacctac   300

agttatatga ttgacaatat cattttgttg atcactggta cactccatca gagaccaatt   360

tctgaattga ttcccaaatg ccacccactt ggaagtttcg aacaaatgga ggctattcat   420

gtagctgcac ccctgcagag ttatacaatg ctgacttgtg gatccccact t   471

<210> 2192
<211> 550
<212> DNA
<213> Ctenocephalides felis

<400> 2192
gttgtacctc tagtttgcgt attagctaat gttgctatag ccaaagcatt ctctgtcgga   60

```
tgctctgtag atgcttcgca agaaatgttc actctaggaa tatgtaatat atttggcagt    120

ttcgtgaagt cgatcccaac ttgtggtgct ttcaccagat cagcagtcag caatgcaagt    180

ggtgttcgct ctccaatggc aggcttgtac tcaggtacta tgacgctttt agcgttaagt    240

tttctcactc catactttta ctatattccg agagcaactc tttcatcagt gttgatatgt    300

gctgttatgt tcatgtttga ttggcaaata gtgatgccaa tgtggcggac taataaattg    360

gacgtgttat ttatggggtg tacatttgct gcatctttat ataaaggagt agaatttggc    420

ttaagtgtgg tgtaattctg actttatgtc ctttgctcta tttgtgggca aggccgaaat    480

taatcacata tctaagtggc acccgaagtc ttgaatatcg gtgtatccca gacacagtct    540

tacttcctcg                                                           550
```

```
<210>   2193
<211>   550
<212>   DNA
<213>   Ctenocephalides felis

<400>   2193
gcgcgcctta cataaatagc gccaaattca catgtctcac ggatggcgtg aaaaaggaaa    60

catcttgtgc agcagattca tgttttcttt tatacaataa atataaaggt gtgcgggagt    120

atggttgcat aataaaaatt acgcagagcc aaagaaaata ctgtttccgt catccagaat    180

tatgctttac ctgcgacacg aaaaactgta attcaatgaa actgatgaaa ctatgccgcg    240

aatgcctcac aaacggccaa ggcggagacg aacgttgcac caccgaccca gcagcactcg    300

ggaatcgatc ggtcacattg tgctacaccg attgtgccgc atatagagta ttcgatggtt    360

ctaatgtgcg ggggtgcttt ccagaaggga gcgtttgtac tcctggcagt tgcattcgtt    420

gctccgagga tatgtgtaac gacgtaaaag ttcctgaatt tcgtcgaata tgtaacacca    480

atagcacaca tcagaaattg ctctgaagtc atgacgctgc atggcgtttg actctgagta    540

acctgtactg                                                           550
```

```
<210>   2194
<211>   550
<212>   DNA
<213>   Ctenocephalides felis

<400>   2194
ggaaagcagc tgctgataaa taccaaataa agtttgtttg tgagaaaaag tatttgcata    60

atttggatta tttccactat atcagattac tcatttaaac catgtctctc gtaccattgt    120

tgtttcacga ctggtgggag gattacgacc acccaatgcg cctcatggac caacatttcg    180

gaatgggcct aaatcgaaat gatcttatta ctagtctacg ggcgactcct tccctcttcc    240
```

```
gtggcggtta ttacagacct tggaggaatg aaattactgc tgacgattcc tcgtcgacca    300

tcgttgctga caaagataaa tttcaagtga ctttagacgt tcagcaattc aaaccaaaag    360

aaatcaccgt aaaaacaaag gacaattgcg taatcgtgga aggcaaacac gaagaaaaac    420

aagatgaaca cggatatatt tcccgtcatt tcgttcgacg atatgttttg ccagaaatca    480

cgatgccgcc gatgtagtat cgagtttgcc tcggatggag tattgcctac agcgcccaag    540

aaggccttca                                                          550
```

```
<210>   2195
<211>   550
<212>   DNA
<213>   Ctenocephalides felis

<400>   2195
gcataatcaa tagttttta attgaaagct ggaatgaatg attgaatgaa atattaactg     60

tcttaataaa attgttatag aatttaattt ttatgttaaa aagcgtaaat attattaaag    120

gacgagaaga ccctttaaag ttttatatat aaatatagat taattttaag aatattatta   180

aatttattta tattaatata ttttattggg gtgataggaa aatttataaa actttttttt   240

tattaaaaca taaataattg aataattgat ccataaatta tgattaaaag attaagttac    300

ttaagggata acagcgtaat tattttaag agaacatatc gacaaaatag attgcgacct     360

cgatgttgga ttaagataat tttaaaatgc agaagtttta aaatttggct gtcgccatta    420

attcttacat gatctgagtt caaaccggtt aagccaggtg gttctatcct taatttttaa    480

aattaattag tacgaaaggc cataattata ataatattta attggataaa ataaaaaaaa   540

aaaaaaaaaa                                                          550
```

```
<210>   2196
<211>   550
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (487)..(487)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (516)..(516)
<223>   n = unknown

<400>   2196
gaatttaaaa gggtaaattt attatttaat ttaatgtaat ataattattt aaaataataa     60
```

```
attagtaatg aaatgttatt cgtttttaaa gttatctagt ttttttagaa ataaatttaa    120

tttattatat ttaaatattt atattaattt attaaatata gatattttaa atataaaata    180

tttttaggga taagcttaaa aataaattat tataaattaa taaattattt ataaatttat    240

agggttataa atattcatta atataaaaat gttataattt atttataaat aaattaaaat    300

ttagtagatt ttaaattttt tataaaaata atatttaaaa ttataaaaaa tatgaaataa    360

tgattaaatt agtataatat aatttattga taatattaaa ttgttaggtt tatttaagga    420

attcggcaaa tataatattc cctgttaaca aaaacatgct tttgaaaata atataaagtc    480

taatctncca tgaagattaa aaggcgcagt aatttnctgt gcaaggacat aatcaatgtt    540

tttaattgaa                                                          550
```

```
<210>  2197
<211>  461
<212>  DNA
<213>  Ctenocephalides felis

<400>  2197
gaaaaagtta tattcaataa ctataaagtt tatagagtaa ttgctgacaa cttcgaacaa     60

gttgaggttc tgaagaattt ggaaaaggac tctgatgcgt acaatttctg gacccatgtt    120

ggagccccag gcaaaaatgt agacatcatg gtaccccac acaaacttga ggatttcgaa    180

agcacgatgc aataccatag aataaaccac agtgtaatga gcgatgacgt ccagaaagat    240

atcgacctag aagttttggg tacaagtaga gaagcttaca gttggaccaa gtatcaagat    300

cttgaaacaa cctatgcatg gatggacagc ttagccaagg cacacccagg aaaagtcact    360

gttctcacca ttggcaaaac ttttgaggga agagacatca agggagtcaa gatttcattc    420

ggactgcaaa ccaggcgtat tattgcgctg gatcacgccc g                        461
```

```
<210>  2198
<211>  550
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (496)..(496)
<223>  n = unknown

<400>  2198
ctaaatattg tgaaataaat cattttcaaa atggtgtcca aagtgtttgt tgctcttgcc     60

atcattggct ttataggggc tgcacaagcc ttttttcgaac aagatgccgt cttagataag    120
```

```
atggtagatg acatctctgc tgaatatgag aacagcattg caagaattag ccaagatagc    180

aaaattgata tgattgccgc tgaattcgaa aaacaaggat ttgcccctga agtcgataga    240

gatttggaga ggttcaacaa agaagttgaa aggaaactta gcaaaaaagt gagtgaagcc    300

gcaaaggaat gccttaaagg ccaacaccaa aaagctctag ctacgcaca  agaagcccgt    360

gctaaggtca aggcttgcag agatgacaaa cgtgatgaat tcaaccaagt tcgcaaaatg    420

gcttgccgct ggagagaagc cagggagaac gccgaagccc tcagagcaca agccaaggag    480

tgcgttgtga ccgcancgtg tcgatgaacc agagtttgct gaaagggttc tcagctgcca    540

cgaaggacca                                                          550
```

```
<210>  2199
<211>  377
<212>  DNA
<213>  Ctenocephalides felis

<400>  2199
ccgcaaggta aaatcagtag tcaccttgga tggtgataaa ctgactcatg aacaaaaggg     60

tgataagccc accaaaatag tccgtgagtt tggaccaact gaaatgaaag cagttatgac    120

tgttgatgat gtggtctgca cgagaactta caaagcattg taatttcaac actacggttt    180

tctatttttg tccttaagtt atatgcatac tcgtatggaa tctgtatata atacagaact    240

aatttgacta attatggtca ttgatagtga ttgctgcatt tgtttcatac ttgttaaagt    300

actgatttaa actttttttg tatttatcga agatgaaat  ataaacatta aaaaatttaa    360

aaaaaaaaaa aaaaaaa                                                  377
```

```
<210>  2200
<211>  550
<212>  DNA
<213>  Ctenocephalides felis

<400>  2200
ctaaatattg tgaaataaat cattttcaaa atggtgtcca aagtgtttgt tgctcttgcc     60

atcattggct ttatagggc  tgcacaagcc ttttttcgaac aagatgccgt cttagataag    120

atggtagatg acatctctgc tgaatatgag aacagcattg caagaattag ccaagatagc    180

aaaattgata tgattgccgc tgaattcgaa aaacaaggat ttgcccctga agtcgataga    240

gatttggaga ggttcaacaa agaagttgaa aggaaactta gcaaaaaagt gagtgaagcc    300

gcaaaggaat gccttaaagg ccaacaccaa aaagctctag ctacgcaca  agaagcccgt    360

gctaaggtca aggcttgcag agatgacaaa cgtgatgaat tcaaccaagt tcgcaaaatg    420

gcttgccgct ggagagaagc cagggagaac gccgaagccc tcagagcaca agccaaggag    480
```

```
tgcgttgtga ccgcaccgtg tcgatgaagc cagatttgct tgaaaggggt ctccagctgc     540

cacgaaggac                                                             550
```

```
<210>   2201
<211>   168
<212>   DNA
<213>   Ctenocephalides felis
```

```
<400>   2201
atttgtgtta atggtttaaa attttggtta ttcacataat tttagaattg attcatgttg      60

aatgtatgat gtaaaatttc cctttaattt aagaataata gttctttatt tgtttaattt     120

caatgtagtt gatgaaataa attaaaaatg ataaaaaaaa aaaaaaaa                  168
```

```
<210>   2202
<211>   534
<212>   DNA
<213>   Ctenocephalides felis
```

```
<400>   2202
cgctagttta gtgaagtgag tgtgtgaaga tacttcaatc agattctttc ttggacctgt      60

aaatactccg cataaattac aaaatgtctt catcagttct accagaagaa aatccaatct     120

atggaccttt ctttggagtc atgggcgcag cgtcggctat cattttcagc gcactgggtg     180

ccgcatatgg aacagccaag tccggcactg gtatcgccgc tatgtccgtg atgagacctg     240

aattgatcat gaaatcaatc attccagttg ttatggctgg tatcattgct atctacggcc     300

tggttgttgc ggtactgatt gcgggtgctc tggaggaacc aaaaacctac tcactttata     360

agggcttcat acatctcggc gctggtttgg ccgtaggatt ttccggcttg cggcgggttt     420

tgcgattgga atcgtggtga tgctggagta cgaggaacag cccaacacct cgtctgttgt     480

ggaatgatct tgatcctgat cttcgctgaa gtattgggtc tatatggctt atcg           534
```

```
<210>   2203
<211>   550
<212>   DNA
<213>   Ctenocephalides felis
```

```
<400>   2203
atttcaatgg attttttcgta tctggaggaa gtgcaacaat atatgcatat ttaggagaat     60

ttcataatcc taggcatcgc agcagggcta ttatgggagc gtcaagcatc ttcggatttg     120

cgtgtcttgc attaccgacg gttgcatggt taattataaa tcagaaatgg tcattctata     180

ttgacttttt gggatataca tacaagccct ggaggttgta tatggttgca tgtggtttgc     240

catcactgct ttgttgtttt gctttgtgga aattaccaga aagtcccaaa tttttgatga     300
```

atcagggaag aaacgaagaa gctcgtcaaa ttattgccaa aatgtataga attaatactg   360

gtaaaccaga aagtgaattc cccgtatcat caatcttaga tgaatatcca ggagtggatg   420

gtgaaaatca aataaaacaa agaaatcatt tttaagaact gatgggatca aactgctccg   480

tgttatgggt gacacatgaa aaaacactca ttgctgtctc tgcaattcgg aatttgcaca   540

ttaacggatg   550

<210> 2204
<211> 550
<212> DNA
<213> Ctenocephalides felis

<400> 2204
caatgtcggg aggcttggat gttcttgccc tacgggaaga tgatgttacc aaaatgttag   60

ccgcatgcac ccatcttggc agcgaaaatg tgaacttcca gatggagcaa tatgtgtaca   120

aacgccgtgc tgatggagta catgtaatca acttacgtcg cacatgggag aagctttgt   180

tggctgctcg tgctattgtt gctattgagc atccagctga tgtcttcgtt atttcctcca   240

gacctcaagg acaacgtgca gtattgaagt tcgccaacta tactggtgct actccaattg   300

ctggacgttt cactcctggt gccttcacta atcagattca agctgcattc cgtgaaccac   360

gtttgctgat tgttactgat cctcactccg atcaccaacc catcactgag gcttcatatg   420

tgaacattcc tgttattgca ttcaccaaca ctgattctcc attgaaattt gtgatattgc   480

aattccatgc aacaccaagt ccaaccattc cgtggttgat gtggtggtgt gctagaaagc   540

ttgagattcg   550

<210> 2205
<211> 236
<212> DNA
<213> Ctenocephalides felis

<400> 2205
agagaacata tcgacaaaat agattgcgac ctcgatgttg gattaagata attttaaaat   60

gcagaagttt taaaatttgg tctgttcgac cattaattct tacatgatct gagttcaaac   120

cggtttaagc caggttggtt tctatcctta attttttaaa attaattagt acgaaggac   180

cattaattta taataattat tttaatttga ataaaattaa aaaaaaaaaa aaaaaa   236

<210> 2206
<211> 550
<212> DNA
<213> Ctenocephalides felis

<400> 2206

```
gatatttact aaatattgtg aaataaatca ttttcaaaat ggtgtccaaa gtgtttgtcg      60

ttcttgccat cattggcttt attggggctg cccaagcctt cttcgatcaa gatgccgtct     120

tagataagat ggtagatgac atctctgctg aatatgaaaa cagcattgca agaattagcc     180

aagatagcaa aattgaaatg attgctgctg aattcgaaaa acaaggattt gcccctgaag     240

tcgatagaga tttggaaagg ttcaacaaag aagttgaaag gaaacttagc aaaaaagtga     300

gtgaagccgc aaaggaatgc cttaaaggcc aacaccaaaa agctctaggt tttgcacaag     360

aagctcgtgc taaggtcaag gcttgcaggg atgataaacg tgaggaattc aaccaagttc     420

gccaaaatgg cttgccgctg gagagaagcc agggagaacc cgaaccctca gagcacaacc     480

aaggatgcgt tgtccgcacc gtgtcatgaa ccagacttgt tgaagatgtc ttcaagctgc     540

cgtgaagacc                                                            550
```

<210> 2207
<211> 550
<212> DNA
<213> Ctenocephalides felis

<400> 2207

```
ccagaccctg ctatatcggg tcgagtttgc aaaagagttt tatttaattt attgttgccg      60

cccgtgttaa attaagtaaa ctttttcaag atgatgcccg cacttgcaga cccagtggct     120

ttcgccaagg atttcgccgc aggtggtatt tctgctgcag tctctaagac tgtggtggca     180

cccatcgaac gtgtcaaatt gctcctgcaa gtacaacaca tttccaaaca aattgctgag     240

gataaacgtt acaaaggtat catcgattgc tttgtacgta tccctaagga gcagggcgta     300

ctttccttct ggcgtggtaa cttggccaat gtcattcgtt atttcccaac tcaggctttg     360

aacttcgcat tcaaagacaa gtacaagcaa gttttcttgg gtggagttga caagaagacc     420

caattctggc gttacttcgc aggaaacttg gcatctggtg gtgctgctgg accacatatt     480

gtgcttcgtc tacccacttg attcgccgtc cagatggccg tgatgaggta aagcctggca     540

acgtgaatct                                                            550
```

<210> 2208
<211> 541
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (514)..(514)
<223> n = unknown

<400> 2208

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gcgaatttgc ccgtcttaca atattaaacg tgaattcgtt ttgccgggtc gtagtaacca      60

atttaatata atggctcctc caccatacgc agacttggga aaacaagcta gggaggtatt     120

taacagtggc tatcattttg gtcttttcaa attgaatttg aaaactaaaa ctgcctctgg     180

ggttgaattc acttcaggag gaacttctga acatgaaact ggcaaggtat ttggatcttt     240

ggagacaaaa tacaaagtaa gtgattacgg tctcactttt tctgaaaaat ggaacacaga     300

caatacttta gctacagaag tttccataca agatcaaata gctaaaggtt tgaaagtatc     360

attcgactgc tctttcgcac cacaaacggg aagcaaaact ggtgttttga aaactgcttc     420

ttacatgata gtgttgcagt aaatgctgat gtaaatttga atttatcagg acctttgatc     480

aatgccagcg cagtattggt atcaaggtgg tggncggtat aaactggttg cttgaaattc     540

a                                                                     541
```

<210> 2209
<211> 550
<212> DNA
<213> Ctenocephalides felis

<400> 2209

```
gcgatttcct ttttattccg gctaagtgag aaaacacaaa cacaaccaaa atggacgcga      60

tcaagaagaa aatgcaagcg atgaagctgg aaaaggagaa cgcaatggac cgcgctctca     120

actgcgaaca ggaagctaag gatgccaacc tgcgcgctga gaaggccgag aagaggccc      180

gttctctgca aaagaagatc caatcaattg agaacgatct tgaccaaact caggagtcat     240

tgatgcaagt caatggaaaa ctcgaagaga aagacaaggc tcttcaaaat gccgaatctg     300

aagtcgctgc cttgaaccga cgcattcaac tcttggaaga agatttggaa cgttcagaag     360

aacgtcttgc caccgccacc gctaaattgg ctgaagcctc acaggctgct gatgaatcag     420

aacgcgcccg taaggtgctt gagaaccgtc cctcgcgagg aagagcgcat ggacgcactt     480

gagaaccaac ttaaagaacg cgattctgcg ctgaggaggc cgcaagaaat ccgatgagtt     540

gccgtaattg                                                            550
```

<210> 2210
<211> 545
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (511)..(511)

<223>   n = unknown

<400>   2210
ccgggtcgta gtaaccaatt taatataatg gctcctccac catacgcaga cttggggaaa   60

caagctaggg aggtatttaa cagtggctat cattttggtc ttttcaaatt gaatttgaaa   120

actaaaactg cctctggggt tgaattcact tcaggaggaa cttctgaaca tgaaactggc   180

aaggtatttg gatctttgga gacaaaatac aaagtaagtg attacggtct cactttttct   240

gaaaaatgga acacagacaa tactttagct acagaagttt ccatacaaga tcaaatagct   300

aaaggtttga aagtatcatt cgactgctct ttcgcaccac aaacgggaag caaaactggt   360

gttttgaaaa ctgccttctt acatgatagt gttgcagtaa atgctgatgt aaatttgaat   420

ttatcaggac ctttgatcaa tgccagcgca gtagttggta tcaaggatgg ttggccggtt   480

ataaactgga tttgactctg aaattccaag ncacaaagac acttgccttg gatctcacag   540

agatt   545

<210>   2211
<211>   550
<212>   DNA
<213>   Ctenocephalides felis

<400>   2211
ctcgctgtct gcacattcgg tgccagtgtt ccagaatcat ggaaaagatt agatggtaga   60

atcgtaggag gacacgatac cagcatcgat aaacaccctc atcaagtatc tttattgtac   120

tccagccaca attgtggtgg ttccttgatt gccaaaaact gggttttgac tgcagctcat   180

tgcattggag ttaacaaata caatgtccgt gtaggaagtt ccatcgtaaa cagcggtggt   240

atcttgcata aagttaaaaa ccattacaga catccaaaat acaacgcagc tgctattgac   300

tttgattacg cactcttaga actcgaaact cctgttcaac tcacaaatga tgtgtccatc   360

ataaaattgg tcgatgaagg agtagatctt aaacctggta ccttgttaac tgttactgga   420

tggggatcaa ctggaaatgg accttcaacc aatgttttgc aagaagttca agtaccacat   480

gtcgaccaaa ccacttctca aatcttaccc aggaagttga ctgatcgatg tctgcctggt   540

atttggacaa   550

<210>   2212
<211>   472
<212>   DNA
<213>   Ctenocephalides felis

<400>   2212
aaaaagcgta aatattatta aaggacgaga agacccttta aagtttttata tataaatata   60

```
gattaatttt aagaatatta ttaaatttat ttatattaat atattttatt ggggtgatag      120

gaaaatttat aaaacttttt ttttattaaa acataaataa ttgaataatt gatccataaa      180

ttatgattaa aagattaagt tacttaaggg ataacagcgt aattattttt aagagaacat      240

atcgacaaaa tagattgcga cctcgatgtt ggattaagat aattttaaaa tgcagaagtt      300

ttaaaatttg gtctgttcga ccattaattc ttacatgatc tgagttcaaa ccggtttaag      360

ccaggttggt ttctatcctt aatttttaa aattaattag tacgaaaggc cattaattta      420

taataattat tttaatttga ataaaattaa aaaaaaaaaa aaaaaaaaaa aa             472
```

```
<210>   2213
<211>   550
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (547)..(547)
<223>   n = unknown

<400>   2213
aattcggcac cagccagagc agaatgcact aaaggtgaac aattggttgt cacctttgct       60

gctggttaca ttgccggtgt attctgtgca gtagtttctc atcctgcaga cacagttgtt      120

tccaagctaa atcaagacaa aggagcaaca gccattgacg ctgccaaaaa aacttggctt      180

tgctggttta tggaagggat taggacctag gatcatcatg attggtacat taaccgctgc      240

ccaatggttt atttatgatg ccgtcaaagt ctggttgcgt atgccacgac caccaccacc      300

agagatgcca gaatctctca agaagaaatt agctgcccaa cagtaaaaat agatctgtga      360

tgatcctctc aataatgcat gtatcagcaa tattacaatt gaaattgcaa ctaacatcta      420

aaatagcagt atcagtgatg gactattcaa tttagtaaca atgctgctaa ctggatcacg      480

ttttcattcc aaatttttaat ttaaatgaaa tagcaattat atagtataca attctttttac    540

aaatttngaa                                                            550
```

```
<210>   2214
<211>   542
<212>   DNA
<213>   Ctenocephalides felis

<400>   2214
attgtgaaat aaatcatttt caaaatggtg tccaaagtgt ttgtcgttct tgccatcatt       60

ggctttattg gggctgccca agccttcttc gatcaagatg ccgtcttaga taagatggta      120

gatgacatct ctgctgaata tgaaaacagc attgcaagaa ttagccaaga tagcaaaatt      180
```

```
gaaatgattg ctgctgaatt cgaaaaacaa ggatttgccc ctgaagtcga tagagatttg    240

gaaaggttca acaaagaagt tgaaaggaaa cttagcaaaa aagtgagtga agccgcaaag    300

gaatgcctta aaggccaaca ccaaaaagct ctaggttttg cacaagaagc tcgtgctaag    360

gtcaaggctt gcagggatga taaacgtgag gaattcaacc aagttcgcca aaatggcttg    420

ccgctggaga gaagccaggg agaacccgaa ccctcagagc acaagccaag gagtgcgttg    480

taccgcaccg tgtcgatgaa ccagacttgt tgaagatgtc cttcagctgc cgtgaaggac    540

ca                                                                  542
```

```
<210>   2215
<211>   221
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (177)..(177)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (180)..(180)
<223>   n = unknown

<400>   2215
gttggattaa gataattta aaatgcagaa gttttaaaat ttggtctgtt cgaccattaa     60

ttcttacatg atctgagttc aaaccggttt aagccaggtt ggtttctatc cttaattttt    120

taaaattaat tagtacgaaa ggaccattaa tttataataa ttattttaat ttgaatnaan    180

ttaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a                        221
```

```
<210>   2216
<211>   381
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (33)..(33)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (179)..(179)
<223>   n = unknown

<400>   2216
```

```
attaagactt cctttatgat taagatttat atnattagga tgaattaata attataacca    60

tatatttagt catctagtgc ctcaaggaac tccaataatt ttaatacctt ttatagtttg   120

tattgaaaca attagaaata ttattcgacc tggtacttta gccatccgac tctcagcana   180

tataattgct ggacatttaa ttctaacttt acttggcaat acaggaaact ccctatctat   240

atgattaatt tgaattttaa ttttctctca attaatttta ttaattttag aaattgctgt   300

atctattatt caatcttatg tatttgctgt tttaagaact ctttattcta gagaaattta   360

ctaaaaaaaa aaaaaaaaaa a                                             381
```

```
<210>  2217
<211>  287
<212>  DNA
<213>  Ctenocephalides felis

<400>  2217
ctacattcca atatttaat taatttgttg ttaattttga taacgttgat tttatccaga    60

tgtttgttgt gtacaaagta tttatctcgg gccaaaccaa ttgtaacagt attttgaatt   120

tcattttatg atgaagccag accggatttg ggcgcacatg agtttctata tatataaaat   180

gaattaccga cataatatag cctaattatc ctcaatttag aaaatatcat tgttaactat   240

atttagaata tattatcttt ttgttgtata aaaaaaaaa aaaaaaa                 287
```

```
<210>  2218
<211>  550
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (517)..(517)
<223>  n = unknown

<400>  2218
aaaacttcat ctcctaaatg atggtcaatg ttacataaaa ttgtataaga tagtttgtgt    60

taaattttac gacgctttga taatttatta ataaacatta attgatatca gagtagagtc   120

aaatcgatat ataatattat tttacctact tctctggaat acaaatttat taataaatat   180

cgatttcagt tacaagctga tcagtagtat attttctgtg gtcaaggatt gtcatcatgt   240

caactaaaat aatattatta ccgcattgc tgttgctaat atcttccact gccgtccagg   300

cccaagtatg cagttgtgta tgcatcacaa tatgctgcac ccccgaacag ctttcaaccc   360

tcgcctgtcc caagcgcagc agcagcagac ggcctgctgc caaactcacc ctcctaaaaa   420

taatgctgat gcttacctcg aatcatacag cacaaaatat tttaaatcag tacttacatc   480
```

```
acagcagtgc gacaatccaa agtcaggaca aaaattnttg gcacagcagc attgtaacca      540

gcaccatcgt                                                             550
```

```
<210>  2219
<211>  226
<212>  DNA
<213>  Ctenocephalides felis
```

```
<220>
<221>  misc_feature
<222>  (162)..(162)
<223>  n = unknown
```

```
<220>
<221>  misc_feature
<222>  (193)..(193)
<223>  n = unknown
```

```
<220>
<221>  misc_feature
<222>  (202)..(202)
<223>  n = unknown
```

```
<400>  2219
tagaatttaa tttttatgtt aaaaagcgta aatattatta aaggacgaga agacccttta       60

aagttttata tataaatata gattaatttt aagaatatta ttaaatttat ttatattaat      120

atattttatt ggggtgatag gaaaatttat aaaacttttt tnttattaaa acataaataa      180

ttgaataatt ganccataaa tnatgattaa aagattaagt tactta                     226
```

```
<210>  2220
<211>  550
<212>  DNA
<213>  Ctenocephalides felis
```

```
<220>
<221>  misc_feature
<222>  (34)..(34)
<223>  n = unknown
```

```
<400>  2220
aagacaatca atcaaaattc ataaaaaagt tatnaaaagt tagaaaaatg gttacaaaag       60

tagcactgtt agttcttgct gttgctgtcg cccaagtttc ctgcgatgga ttaacatgga      120

agtaccatcc atctctttca gcatttatgc tgaaaggtaa agacgaaatg ggtaaagatt      180

gttcagctcc tggagaaata aagtgccagg attgtgagac agcaaacctt tgcattgcga      240

ttggtgctga tttcttagaa acaacattgg aaacatgtcc gagtggaatg acttgcaaac      300
```

```
caggtacagg ttgcgttaga gcctctgaaa atacattaaa ctgtcctgat caaactcctc    360

ccgtagacaa cagttttgta tgcgaatcta ttggtatttt ccctgatctg gaagactgta    420

agaaattcat ttctgtttcc aaatacagaa gggttaaagc ttcaacagaa cttttcctac    480

attctgaaat tgaaatatgt catagaacaa tcaaaagcag accagagtgc aacaaacccg    540

ccaaaattat                                                           550
```

```
<210>  2221
<211>  550
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (33)..(33)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (489)..(489)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (539)..(539)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (544)..(544)
<223>  n = unknown

<400>  2221
aagatttgat attagtttta ttggatttgc agntgaaagt ttatttatca caatggttga     60

tacatatttg aacaaaaaat ataagctcag ttcgagtgaa aattttgatg attatatgaa    120

gaaattgggt gtcagtctag tcacccgtaa attgggcaac caagtgagcc cagtggtaga    180

gctgactaag aatggagata cctatacctt gtcatccact agcaccttca aaaattccat    240

catcacattc aaacttggtg aagaatttga tgaagagact cctgatggcc gcaaggtaaa    300

atcggtagtc accttggatg gtgataaact gactcatgaa caaaagggag ataagcccac    360

caaaatagtc cgtgagtttg gaccaactga aatgaaagca gttatgactg gtgatgatgt    420

ggctgccgag aacttacaaa gcattgtatt tcaacactcc ggtttctatt ttgtcttagt    480

tatatgcanc tcgatggatc tggtatatac agaactaatt gctaatatgg cattgtagng    540

atgntgattg                                                           550
```

```
<210>  2222
<211>  498
<212>  DNA
<213>  Ctenocephalides felis

<400>  2222
ttgtcagcgt ttgtcgttcc cgagtgctag attaggttat ttaggattgt tggccgatat      60

tccatcatct gggtaggcta aaatcaagga tcggaaagac gatcgagacg aacaaccata     120

caaaaatatt ttttagaaca aaatcaataa aaatttcaaa atgttatctc ggattctaaa     180

acctctttta aatggatcta ctagagcgtt ttcgactaca aacaagaata atgtcaaggt     240

tgcggttttg ggagccgctg gtggaattgg gcaacccctt agtcttttat tgaaacagtc     300

ccctttgatc agtcgcctga atttgtatga tatccttgga acgattggtg tggcagctga     360

cttaagtcac attgaaacac ctgccaaagt atgtggttac aatggcaaga agttttgtg     420

caaggcttta gaaggagtgg atgtagtcgt cataccagca ggcagccctc gtaaacctgg     480

tatgactcgt gatgattt                                                    498
```

```
<210>  2223
<211>  375
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (191)..(191)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (367)..(367)
<223>  n = unknown

<400>  2223
agcgaataca ttttggtgtt gaaatgaaat tattattatt ataatttttg ataaatttga      60

attgggaaat tcttgaaaaa atcaaaaaag aattacaaaa ttaatattaa gaagatgaac     120

ttaaatatag taatttgaaa ataaatatga aattaagggt gtaaaatata attgtcacag     180

ttgggttagt nttaatttaa tgaaaagata aattgttatg taccagtgta cgccaaattt     240

taaaaaaaaa cttatgaaaa tatcaatgta tgaaagatga aataaatgaa cacaataatt     300

tcatgtgtat gtaaacaagt tcaataataa taaagttgaa tacatgtcaa aaaaaaaaa     360

aaaaaanaaa aaaaa                                                       375
```

```
<210>  2224
<211>  500
```

<212> DNA
<213> Ctenocephalides felis

<400> 2224
gcatatctaa aaagtttaca aattttattc aacaatattt ttaaatcatc ttaagaacat   60

ttcgtaagaa aatatcaata tgctaatata acacacacaa gtaatactta gtttgatcat   120

atctgtaaat aacatgtgta tcatataaaa tatttgatta aacctgcgat ttcactgttt   180

cttctgcttg ctgctccatt ctaaaaagct accttcgtag tatcttgact tcttgtaaca   240

caatcccaat gctgtttcca tagcttcctt tgctcgtttt ccggaacggc aactaaaaat   300

gatttcagta tcgaatgttg gtttatctct tccgaatttg gttttgaatt cttcaggaga   360

catgttcttg agagcatttt ccaattcacg taatggaatg tttatagctg tcggaatttt   420

tccttcctgc tccaattcct ccggtgacga acatcaataa gtaaaacttc tggttctgcg   480

gaaatacttt tttctaagta   500

<210> 2225
<211> 500
<212> DNA
<213> Ctenocephalides felis

<400> 2225
ttttaattga ctggactcaa aagggccact atcaaaaaaa aaagtttacc ttaatttctt   60

acatgaatta gatataaaaa aaatggtaaa ttggacgtat aaatgggacc tcaaaatata   120

atctaataaa aaaaacacct catatatgaa acaaagaatt gaagattgta tgtcttgtac   180

ttagactaca aatctttttt aagaaaatac acagaaaaat agccttacat attcgactgt   240

ttatacttgt gacaagttta aaggatttaa tttaagcgac ttctgtattt atgtaattca   300

cctactctaa attaagactg taatttatca ttatctgaca tagttttttg gttttacgta   360

ttttttatta aaattcttgt gaagttcaac aagtagaata ttgtttttta attgggttat   420

ttggacctta gaatattcta aaatactcta tttacataga gagagcaaga tgcttaaatt   480

tatacaatat gtcgagtaaa   500

<210> 2226
<211> 500
<212> DNA
<213> Ctenocephalides felis

<400> 2226
aaataaatca ttttcaaaat ggtgtccaaa gtgtttgttg ctcttgccat cattggcttt   60

ataggggctg cacaagcctt tttcgaacaa gatgccgtct tagataagat ggtagatgac   120

atctctgctg aatatgagaa cagcattgca agaattagcc aagatagcaa aattgatatg   180

```
attgcccgct gaattcgaaa aacaaggatt tgcccctgaa gtcgatagag atttggagag    240

gttcaacaaa gaagttgaaa ggaaacttag caaaaaagtg agtgaagccg caaaggaatg    300

ccttaaaggc caacaccaaa aagctctagg ctacgcacaa gaagcccgtg ctaaggtcaa    360

ggcttgcaga gatgacaaac gtgatgaatt caaccaagtt cgcaaaatgg cttgccgctg    420

gagagaagcc agggagaacg ccgaagccct cagagcacaa gccaaggagt gcgttgtgac    480

cgagcgtgtc gtgaaccaga                                                500
```

<210>   2227
<211>   496
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (31)..(31)
<223>   n = unknown

<400>   2227
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tttatcattt ggtataatta ataaagaacc ngatcatttt gacagagtat tggctgatat     60

ctgcaccagg tgacaagacc tgccagcaga catgggagac gatgaacaat gtcaccagca    120

aacaaaattc attatctgtc aactacaaat ttcatatacc agaccttaag gtcggtacat    180

tagatcagct cgtaggtctg tctgatgatc taggcaagct cgatgtattc gttgagcaga    240

tcactcgtaa ggtagcaaca tatcttggtg aggttcttga ggaccaacgt gataaacttc    300

acgagaattt aatggcaaac aacagcgatc tgccatctta cataactcgc ttccagtggg    360

acatggcaag tacccaatca agcaatctct cgtaacatc tcagatatca tcagcaagca    420

agtaggacag atcgatgccg acttgaaaac caaatctcag gcgtacaaca atttgaaagg    480

cagtttgcag aacttg                                                   496
```

<210>   2228
<211>   498
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (37)..(37)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (55)..(55)

<223>   n = unknown

<220>
<221>   misc_feature
<222>   (60)..(60)
<223>   n = unknown

<400>   2228
tgtgcaaagg tagcataatc aatagttttt tggttgnttg ctggaatgaa tgatngaccn   60

gaaatattaa ctgtcttaat aaaattgtta tagaatttaa tttttatgtt aaaaagcgta   120

aatattatta aaggacgaga agacccttta aagttttata tataaatata gattaatttt   180

aaggaatatt attaaattta tttatattaa tatatttat tggggtgata ggaaaattta   240

taaaacttt ttttattaa aacataaata attgaataat tgatccataa attatgatta   300

aaagattaag ttacttaagg ataacagcg taattatttt taagagaaca tatcgacaaa   360

atagattgcg acctcgatgt tggattaaga taattttaaa atgcagaagt tttaaaattt   420

ggctgttcga ccattaattc ttacatgatc tgagttcaaa ccggttaagc caggtggttc   480

tatccttaat ttttaaaa   498

<210>   2229
<211>   495
<212>   DNA
<213>   Ctenocephalides felis

<400>   2229
tttaaaatgc cgacatacaa gttgacatac ttcaacgtta aggctttggc tgaaccattg   60

cgtttgttgt tgtcttatgg aggagccgat tttgaagacg tcaggttgga gaaggaaaac   120

tggccagcag ttaaaaacac attcccattc ggacaagtcc cagttttgga aatcgacggt   180

aaacaaataa accaaagctt ggcaattgct cggtatcttg caaacaatt caacttggga   240

ggcaaagatg ccttagaaga tttggaaatt gatgccatcg ttgattcaat gaacgatttc   300

agactaaagg ctgctgttgt tatttatgaa caagatgaag cagtgaaagc caagaaagtc   360

gaacaattga ccaaagaagt agtaccattc tactttgaaa aattcgaggc tatcgcaaaa   420

agaacaatgg acatttagct tgggaaaatt gacctgggca gattcggctg ctggcaatt   480

cgaagcatgg aactt   495

<210>   2230
<211>   500
<212>   DNA
<213>   Ctenocephalides felis

<400>   2230
cgaacacgca acatcggtag agaacattaa tacacgcgcg acacaccaaa tcttgcagag   60

```
aatataaaac atcactaaaa gcgaacggtt ccaaacgaga tatattcgcg ggttagtggt      120

aaaaagactg atattttact caaaagtggt aaataaaata aatcgatatc aagatgacga      180

gttttgggtc gacgcagatt tgtgccagtt tgttagttct tgtagtgatc gtacaacaag      240

gtaaagcact aagttgttac gaatgcaaca gccacaacga cacgcgatgc tcagaagaca      300

taccccccaga aaatttgaag aagaattgcg atgaccacaa aggggcaca aaatatacga      360

tgtgccgcaa gattacgcaa gtcatcgaat tcgaagtgaa cggattgcgc tgacacacgt      420

gttatcagag gttgcggatg ggacgagtct agttcaaggc aagtgttacc agcgtcgggt      480

ttcggtggtc gcaagaggtc                                                 500
```

```
<210>   2231
<211>   500
<212>   DNA
<213>   Ctenocephalides felis

<400>   2231
gagaaaggag gcgaggcgga gattgttagt acttttaagt attaacaatt taattaagtt       60

tttatttaat ttcgttattt ttttttaagt ttttacgtga aagactttga ggagtgattg      120

tttatcagca accaacagaa aatggggtcc gagatgaaaa gtacatgcta caaatgcaat      180

cgcgtaggac actttgccag agaatgcacc caaggaggcg gaggtatggg aggtggccgg      240

gaccgcgatg gcggtcacag ggactcgggc cgcgtgcgtg agaaatgcta caagtgtaat      300

agatttggcc actttgccag agactgcaag gaggaggctg accgatgcta cagatgcaat      360

ggcactggac acattgctcg cgcttgtctg caaagcccag atgagccatc ctgttacaac      420

tgtaacaagc caggacacat tgcgaggaat tgtcctgaga gcggtggtat gactccagag      480

taggtcaacc aacgtgtaca                                                 500
```

```
<210>   2232
<211>   500
<212>   DNA
<213>   Ctenocephalides felis

<400>   2232
attgagcgcc gtctcatctt acaagataaa ggatggatta gatgggcgca ttgttggagg       60

acaagatgct gatattgcca aatatggcta tcaagcttca ctccaagtat ttaacgaaca      120

tttctgtgga gcttcaatat tgaataatta ttggattgtc acagcagctc attgcatata      180

tgatgaattc acgtattcag ttcgagtcgg caccagtttc caaggaagac gtggttccgt      240

tcatcctgtg gcacaaatta tcaagcatcc tgcatacggt aatgtaactg acatcgatat      300
```

```
ggatgtcgcc ctcatcaagg ttcgaagacc attccggttg aataacagaa ctgttagaac    360

agtcaaactt actgatgttg gaaaagacat gccatcagga gaattagcca ctgttactgg    420

ctggggaaat ttaggggaag atgaagacga ccccgaacaa ctgcaatatg taaaggtcct    480

attgtaactg gactcagtgc                                                500
```

```
<210>    2233
<211>    500
<212>    DNA
<213>    Ctenocephalides felis

<400>    2233
gttttgtgtc gtgtcacaga tttcaaaatg gataaaataa aggcaggacc cgttgttgac    60

atccttggag atgaaatgac cagaatcatt tggtctctca tcaaagaaaa gttgattctg    120

cccttttttgg atgtcgaatt gcatacttac gatttgggta tggaacaccg agacgaaact    180

aatgaccaag tcactattga ttgtgctgag gcaatcaaga aatacaatgt cggaatcaag    240

tgtgcaacaa ttactcctga tgagaaaaga gtggaagaat ttaaattaaa gaaaatgtgg    300

aaaagtccca atggaactat cagaaatatt ctcggtggca cagtcttcag agaagcaatc    360

atctgcaaga acataccccg attggtaaca ggatggaatg agcccatagt catcggcaga    420

cacgctcatg ctgatcaata caaagccccg cttcgtggta ccaggaaagg gtaaattaga    480

attgcatttc ccccgaatcg                                                500
```

```
<210>    2234
<211>    500
<212>    DNA
<213>    Ctenocephalides felis

<400>    2234
atttatgcat tctttaatgt tggaagctgg atatgcgatt ggatttccca taataggtgc    60

tattattaac tctgtgggaa agcttccaat tcttgtattc gtgatggtct catgcgggat    120

ttgtggaata atttgtgcat ttattgaaca tttaacaata gcatcatatt tatatttgtg    180

gttgctggtt tgcggaattg ctgtgacagt ggtaaacgcg gcattagtag atctgtaccc    240

tacacaactc agggcaatgg cagtatgtat atctttaatg atgggtcgat taggaagtgt    300

tgttggaagc aatgttgtag gaataattct agattataat tgcgatttaa cattttttaat    360

atcaggaaca tctctgatag catgtggagt gattgcattc tttataccga acatttatca    420

gaagcaagtg gatagaagaa cgagcattgc ttcatatgga ccataaccat atttccgtcg    480

gtgttgtgaa atgcaattat                                                500
```

```
<210>   2235
<211>   500
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (490)..(490)
<223>   n = unknown

<400>   2235
gtctcttaac aaaaataggt tgcgaaattt agaatcaact gtgacaaaat tatcaaaatc      60

tgcgccttct cttcattatt tgagtttgct tggaaatttg atatgtcctg atcaattgag     120

tgatccaaca acagacgtcc aagattattt tcgttatagg tgttacattg tacatcattt     180

accaaaatta ttatttttgg attggcgggc tgtatcatca acgaggcaa aggaagcaaa      240

attgcggggt caatttatgc gggtcagaag acccgagcct aatcatgaaa tcacaaataa     300

aaacgacttt agtgatgcct tacattattc tccgttacct aaaaccgttc atagaaaaaa     360

aggatgtact tacagaaaat attctcagaa atatatagga cgtaattcag agggcaacaa     420

gtcataaaaa acagtgatct ctaggggggcc ggtcccaatt cgcctatagt gagtcgattc     480

aattcactgn cgcgtttaca                                                  500


<210>   2236
<211>   500
<212>   DNA
<213>   Ctenocephalides felis

<400>   2236
agtatcagta gcatgttcca aatatattga tccaagaatc attggaggcg aagatgctcc      60

tgaaggctcg gctccgtatc aagtttcact gagaaatcgg gacctagagc atttctgtgg     120

tggctccatc ttaaacaaac gttggattgt gacggctgca cattgcctaa aacctggcat     180

tttaaaatcc gtctatatgg gatcaaactc attagatggc aatggtacat actacgacgt     240

cgaacgtttt gtgatgcatc ataaatatat accaaaaatt actgtcaact atgctgatat     300

tggtctaata aaagtgacaa aagacattat attcagtgac aaagttcaac caatcaaaat     360

aagcaaaaaa aatatcaagg gtggtgaaat ctgcaaggcc actggttggg gtcgattgcg     420

gatggggccc cagtaccaaa cgaattgcaa caagtggaaa ccactgcaat aacaaatgaa     480

aagtgctacg aattgtctca                                                  500


<210>   2237
<211>   500
<212>   DNA
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<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (417)..(417)
<223> n = unknown

<220>
<221> misc_feature
<222> (484)..(484)
<223> n = unknown

<400> 2237
gtgaaataaa tcattttcaa aatggtgtcc aaagtgtttg tcgttcttgc catcattggc   60

tttattgggg ctgcccaagc cttcttcgat caagatgccg tcttagataa gatggtagat   120

gacatctctg ctgaatatga aaacagcatt gcaagaatta gccaagatag caaaattgaa   180

atgattgctg ctgaattcga aaaacaagga tttgcccctg aagtcgatag agatttggaa   240

aggttcaaca agaagttga aaggaaactt agcaaaaaag tgagtgaagc cgcaaaggaa   300

tgccttaaag gccaacacca aaaagctcta ggttttgcac aagaagctcg tgctaaggtc   360

aaggcttgca gggatgataa acgtgaggaa ttcaaccaag ttcgcaaaat ggcttgncgc   420

tggagagaag ccagggagaa cgccgaagcc ctcagagcac aagccaagga tgcgttgtcc   480

gcancgtgtc gatgaaccag   500

<210> 2238
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (435)..(435)
<223> n = unknown

<400> 2238
ggtaaaccaa aaattagagt atcgtacaaa ggagaatcca aaaccttctt ccctgaagaa   60

gtcagttcca tggtgttgac taaaatgaag gaaaccgctg aagcttactt aggcaaaact   120

gtgaccaatg ctgtcgttac tgtacctgcc tacttcaatg actcacaacg tcaagccacc   180

aaggattcgg gaactatctc cggtctaaat gtgttgagga taatcaatga gcccaccgct   240

gctgctattg cttatggttt agacaagaag ggtgtaggcg aaagaaatgt ccttattttt   300

gatttgggtg gtggtacttt tgatgtgtcc atcttaacca ttgaagatgg tattttttgaa   360

gtcaaatcta ctgctggtga tactcacttg ggtggtgaag attttgataa ccgcatggtt   420

```
aaccacttcg tacangaatt caaacgcaaa tacaagaaag atcttacctc caacaagcgt    480

gctctccgtc gttgaggaca                                                500
```

```
<210>    2239
<211>    500
<212>    DNA
<213>    Ctenocephalides felis

<400>    2239
atcgcttaga atataatgtc gcaaagttga acgaaggtga atcttttgta ataagagaaa     60

aaaatgtgag attatatgac ggcgatgtaa agactaattt tgaaggcggt gaaatagttc    120

ttacaagccg gcgattattt tggggaaggc caggcgagat tcccagaggc caaacatgta    180

taacactgcc attaaatctt gtcaagggta tcgaagaagc ttctgctggg gtttttggtt    240

tcagcagaag caaaaaagtt atacttcatt tatctccagc atctcccagt aattgctttt    300

aaacttaata aagcatgcaa aataattcac taaaaatttg attttaatct tagacaaagt    360

acctggacct tctgcaagca gtttatatga tttcataaaa ctttcattca gagaaggata    420

ttcatctgaa tttattccaa gtttaaatgc aactttagaa gcccaagaat ggagtgtgta    480

gaagacagct ctctgcccag                                                500
```

```
<210>    2240
<211>    500
<212>    DNA
<213>    Ctenocephalides felis

<400>    2240
gaaagctgga atgaatgatt gaatgaaata ttaactgtct taataaaatt gttatagaat     60

ttaattttta tgttaaaaag cgtaaatatt attaaaggac gagaagaccc tttaaagttt    120

tatatataaa tatagattaa ttttaagaat attattaaat ttatttatat taatatattt    180

tattggggtg ataggaaaat ttataaaact ttttttttat taaaacataa ataattgaat    240

aattgatcca taaattatga ttaaaagatt aagttactta agggataaca gcgtaattat    300

ttttaagaga acatatcgac aaaatagatt gcgacctcga tgttggatta agataatttt    360

aaaatgcaga agttttaaaa tttggtctgt tcgaccaata attcttcatg atctgagttc    420

aaaccggttt aagccaggtg gttctatcct taatttttta aaataattag tcgaaaggcc    480

attaatttat aataattatt                                                500
```

```
<210>    2241
<211>    500
<212>    DNA
<213>    Ctenocephalides felis
```

<400> 2241
```
ggcttgcagg gatgataaac gtgaggaatt caaccaagtt cgccaaaatg gcttggccgc      60

ctggagagaa gccagggaga acgccgaagc cctcagagca caagccaagg agtgcgttgt     120

taccgcagcc gatgtcgatg aagccagagc ttgcttgaaa gatgtccttc aagctgcccg     180

tgaaggagcc aaggacttgg ccaaggcttt caaagaaacc tggtcccaat tgggcaactt     240

ggttcgtgaa gtcggcaaat gcgcaagagg agccgtgaag gaattcagag ataacttggt     300

acaagtccgt aaagactgtg ctgactgctt aaaacttact gacaactaaa ttagtttagg     360

aattttataa caaactgtaa tttgcttaaa tttgctttat gatcagctag ttgtatatta     420

tttgtaattt gatggtttta gtttttatg taacattttg acaaataaaa attgttatga     480

aaataaaaaa aaaaaaaaaa                                                500
```


<210>   2242
<211>   275
<212>   DNA
<213>   Ctenocephalides felis

<400>   2242
```
aaacagtgaa attgcagggt taatcaaata ttttatatga tacacatatt atttacagat      60

atgatcaaac taagtattac ttgcgtgtgt tatattagca tattaatatt ttcttatgaa     120

atgttcttaa gatgatttta aatattgtta aataaaattt gtatacttt tagatatgca     180

ccaaataaat taaaataaaa atctttacat tcctaaaaaa aaaaaaaaaa aaaaaaaaaa     240

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa                              275
```


<210>   2243
<211>   495
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (441)..(441)
<223>   n = unknown

<400>   2243
```
tcacgcactt taacaaaaac atctgggcgt ccagctccgc aagtgtacaa gacaaacgaa      60

gaaacgccaa ccagttcacc tttgtaaacc agtggtccac cagaatcacc aaagcaaatg     120

cctcttaaaa attcccttaa tgtacatatt tgcgaagttg gctcaacgaa ttgagacaat     180

tcgtagcact tttcatttgt tattgcagtg gtttccactt gttgcaattc gtttggtact     240

ggggccccat ccgccaatcg accccaacca gtggccttgc agatttcacc acccttgata     300
```

```
tttttctgc taattttgat tggttgaact ttgtcactga atataatgtc ttttgtcact    360

tttattagac caatatcagc atagttaaca gtaatttttg gtgtatattt atgatgcatc    420

acaaaacgtt cgacgtcgta ntatgtccat tgcatctaat gagtttgatc ccatatagac    480

ggatttaaaa tgcgg                                                     495
```

```
<210>    2244
<211>    498
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (41)..(41)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (151)..(151)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (406)..(406)
<223>    n = unknown

<400>    2244
atttgtcgga tatacgacaa gtgcccaaca atacacatgt ntaaccgatg gcgaaaaaga    60

aaccacaaca tgcaaactca tcaacgaatg ttacgtaatt tacaacacaa agtcaggaac    120

caccaactac ggttgcctaa tcaagatgac naattcccaa agaaactact gtgccaaaaa    180

tccacacatg tgcataactt gcactggaaa taattgcaat accaaagatt tgatgaaaat    240

gtgcatcact tgcacctcca aggaggacga gagatgcacc accgatcctc agcaattggc    300

taaaacttct gtcaggcctt gcaatggtga ttgcattaca catgtccttc cagatggtac    360

aaatacaagg ggttgtatga aaccaactga tgactgtgat gatatnaaat gccaggagtg    420

caaaggtaac ctttgaatgc gtgttttccc aagaaatcgc agggtttgca acgctaaaga    480

tgatgcaagg aagttgct                                                  498
```

```
<210>    2245
<211>    500
<212>    DNA
<213>    Ctenocephalides felis

<400>    2245
ttagcaaaat actgtgaaat aaatcatttt caaaatggtg tccaaagtgt ttgttgctct    60
```

```
tgccatcatt ggctttattg gggctgccca agcctttttc gatcaagatg ctgtcttaga      120

taagatggta gatgacattt ctgctgaata tgaaaacagc attgcaagaa ttagccaaga      180

cagcaaaatt gatatgattg ctgcagaatt cgaaaaacaa ggatttgccc ctgaagtcga      240

tagagatttg gaaaggttca acaaagaagt tgaaaggaaa cttagcaaaa aagtgagtga      300

agccgcaaag gaatgcctta aaggccaaca ccaaaaagct ctaggctacg cacaagaagc      360

ccgtgctaag gtcaaagctt gcagggatga taaacgtgat gaattcaacc aagttcgcaa      420

aatggcttgc cgctggagag aagccaggga gaacgccgaa ccctcagagc acaaccaagg      480

agtgcgtgtg accgccgccg                                                  500
```

```
<210>  2246
<211>  495
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (52)..(52)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (175)..(175)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (234)..(234)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (375)..(375)
<223>  n = unknown

<400>  2246
tttgtcggtt taatcatctt tatatcagcg acatgtgttt tcggccaaag tncttccaat       60

gaccacacca gaattgttgg aggtgcagac gccgctcctg ttctgctcc atttcaagta      120

tctttaagag ataaattctt gaaacatttt tgtggtggat cgattcttaa tgaanaatgg      180

gttcttactg ctgcacattg tctagtcgca ggccgtttga gttccatcta cgtnggatcc      240

aacaaactaa acaaaggagg tcgttactat gatgtcaaaa aatatattgt acatgaagaa      300

tataatccta aaaccttata cgccgatatt gggctcatag aagtagacga agaaattcaa      360

ttcaacaatt tagtnaaacc gattcctagg cgaaaagaag cattggtagg caaggagtca      420

gtcacagctt taggttgggg gttgcaaagc acgatggaaa aaatcaccaa ataatttgag      480
```

aaaattgact tgaaa   495


```
<210>  2247
<211>  500
<212>  DNA
<213>  Ctenocephalides felis

<400>  2247
ggtgagatag aaactgatga tgaggacaat aataaaccac cagaacctat taagcctgta      60

gaaattgtta agccacaatc cccagttaca ctgaaaactt cagaaaatgc caaatacagt     120

gataaaaagc catattataa agaaaaatat aagaaatcca gcaaacacag caaagaaaaa     180

agatctaaga gtatctctga atcaaatcac tgtgacatta ataatgaaga tgactgggca     240

tctaatgttg aaaaagctat tgcaaatgca ataagaaaag aaagtgataa taatgacact     300

aattcatgtg ataataagga taataaggaa ggaagtaaag atagtcgtgg tagaaaaaga     360

agaaataaat cttccaaagg atcttccaat aaggaatctt cagtaaaagg cctaaagttg     420

aaaaagtcaa ggaacctagc atcctgatga agatttgatg aagatgaact tcttggtatt     480

aggggtggca gtctattaat                                                 500
```


```
<210>  2248
<211>  500
<212>  DNA
<213>  Ctenocephalides felis

<400>  2248
gaagatttaa aaggccgcag taatttgact gtgcaaaggt agcataatca atagtttttt      60

aattgaaagc tggaatgaat gattgaatga aatattaact gtcttaataa aattgttata     120

gaatttaatt tttatgttaa aaagcgtaaa tattattaaa ggacgagaag accctttaaa     180

gttttatata taaatataga ttaattttaa gaatattatt aaatttattt atattaatat     240

attctattgg ggtgatagga aaatttataa aacttttttt ttattaaaac ataaataatt     300

gaataattga tccataaatt atgattaaaa gattaagtta cttaagggat aacagcgtaa     360

ttatttttaa gagaacatat cgcaaaatag attgcgacct cgatgttgga ttaagataat     420

ttaaaatgca gaagtttttaa aatttggctg tcgccattaa ttcttacatg atctgagttc     480

aaaccggtta agccaggtgg                                                 500
```


```
<210>  2249
<211>  500
<212>  DNA
<213>  Ctenocephalides felis
```

```
<220>
<221>  misc_feature
<222>  (35)..(35)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (398)..(398)
<223>  n = unknown

<400>   2249
gactttgcaa aggtagcata atcaatagtt ttttnattga aagctggaat gaatgattga    60

atgaaatatt aactgtctta ataaaattgt tatagaattt aatttttatg ttaaaaagcg   120

taaatattat taaaggacga gaagaccctt taaagtttta tatataaata tagattaatt   180

ttaagaatat tattaaaatt tatttatatt aatatatttt attggggtga taggaaaatt   240

tataaaactt ttttttatt aaaacataaa taattgaata attgatccat aaattatgat    300

taaaagatta agttacttaa gggataacag cgtaattatt tttaagagaa catatcgaca   360

aaatagattg cgacctcgat gttggattaa gataattnta aaatgcagaa gttttaaaat   420

ttggtctgtc gccattaatt cttacatgat ctgagttcaa accggttaag ccaggttggt   480

ttctatcctt aattttttaa                                              500


<210>   2250
<211>   500
<212>   DNA
<213>   Ctenocephalides felis

<400>   2250
gaaattagct caaaggaaac atttcccttc aatcaattgg ttgatttcat acagtaaata    60

tatgcgtgct ttggatgact tctatgacaa aaacttcgtg gaatttgtgc ccctacgtac   120

aaaggtaaag gaaattttgc aagaagaaga agatttatca gaaattgtac aattggttgg   180

taaagcctcc ttggcggaaa ctgacaagat cacacttgaa gttgccaagc tcttgaaaga   240

cgatttccta cagcagaaca gctactcatc atatgatcgt ttctgcccct tctataaaac   300

agttggtatg ttacgtaaca ttattgcttt ctatgatatg gcaaaatacg cagttgaatc   360

tactgcacaa agtgaaaaca agattacctg gaataccatt agagatgcta tgggcaatat   420

tctatatcag ttgtcctcaa tgaagttcaa ggacccagtc aaggatggtg aggcaaagat   480

caagagtgat tttgatcaat                                              500


<210>   2251
<211>   500
<212>   DNA
```

<213> Ctenocephalides felis

<400> 2251

gtcgttcttg ccatcattgg ctttattggg gctgcccaag ccttcttcga tcaagatgcc   60

gtcttagata agatggtaga tgacatctct gctgaatatg aaaacagcat tgcaagaatt   120

agccaagata gcaaaattga aatgattgct ctgaattcg aaaaacaagg atttgcccct   180

gaagtcgata gagatttgga aaggttcaac aaagaagttg aaaggaaact tagcaaaaaa   240

gtgagtgaag ccgcaaagga atgccttaaa ggccaacacc aaaaagctct aggttttgca   300

caagaagctc gtgctaaggt caaggcttgc agggatgata acgtgagga attcaaccaa   360

gttcgccaaa atggcttgcc gctggagaga agccagggag aacgccgaag ccctcagagc   420

acaagccaag gagtgcgttg taccgcaccg tgtcgatgaa ccagagcttg ttgaaagatg   480

tccttcaagc tgccgtgaag   500

<210>   2252
<211>   495
<212>   DNA
<213>   Ctenocephalides felis

<400>   2252

ctgattcgtg cattaagtaa aggcggctta aaagcagtcg tctgtgaata tacaaattct   60

ttaggcaacc atgttcaaca gtttgttaga ggtggcacgg aattcgcctt tccgtagccc   120

tattgcacct gtacaatgtg aagctgaatc taaatcattg caacaatgg cagcctccac   180

ctcagatgca acaggagatt cctgtgcctt tggatctggt cattactttg ctctttgcgg   240

atttggagga attatttctt gcggtgtaac acacaccatg gtcgttccac ttgatttagt   300

gaaatgccgt attcaagtag atcctgcaaa atacaaatca gtattcaatg gattcaaagt   360

aactctagcg gaagatggtg ctagaggtct tgctaaaggt tgggctccaa cctttgtgga   420

tactccatgc agggtctttg caaattcggt ctttatgaag tattcaaagt attgactctg   480

acatattggg agaag   495

<210>   2253
<211>   494
<212>   DNA
<213>   Ctenocephalides felis

<400>   2253

tgccaaaaaa taaaacaatt taaaaacgaa aatggtctcg acgaaattgt gtttgcaatt   60

tttgattgtt gcatttgtcg gatatacgac gagtgcccaa caatacacat gtctaaccga   120

tggcgaaaaa gaaaccacaa catgcaaact catcaacgaa tgttacgtaa tttacaacac   180

```
aaagtcagga accaccaact acggttgcct aatcaagatg acgaattccc aaagaaacta      240

ctgtgccaaa aatccacaca tgtgcataac ttgcactgga aataattgca ataccaaaga      300

tttgatgaaa atgtgcatca cttgcacctc caaggaggac gagagatgca ccaccgatcc      360

tcagcaattg gctaaaactt ctgtcaggcc ttgcaatggt gattgcatta cacatgtcct      420

tccagatggt acaaatacaa ggggttgttg aaaccaactg atgactgtga tgatatgaaa      480

tgcaggagtg caaa                                                        494
```

```
<210>    2254
<211>    495
<212>    DNA
<213>    Ctenocephalides felis

<400>    2254
atcaggagaa atatattgat agtgtgtagt ttcgtgcaat taaattgtgt caaatttcaa       60

atctaccctg ccaaaagggc cacattgatt atttaaagtc cctcgcactc acacgcacgg      120

caccactatg tctacggtcg acaaggaaga attggtgcaa cgagccaaac tggcagagca      180

ggcccgaaag atacgatgat atggctgcgg cgatgaaggc tgttacggaa accggtgtgg      240

aattatccaa tgaagaaagg aacctttat  ctgttgccta taaaaatgtg gttggggcgc      300

ggcgttcatc atggcgtgtt atctcctcca tcgaacaaaa aacagagggt tccgaaagaa      360

aacaacagat ggcaaaggag tatcgggaaa aagttgaaaa ggaacttcgt gaaatttgtt      420

acgacgtact gggccttctt gacaagtacc ttattcctaa agctagtaat gccgaagtaa      480

ggtttctatc ttaag                                                       495
```

```
<210>    2255
<211>    486
<212>    DNA
<213>    Ctenocephalides felis

<400>    2255
tataatatat aacaatgcaa cgaaaaaaaa tagcatttgg gaaaattgga tcaaatttta       60

tgaggggatc tgaaaaccga aatgatattg ttatacagaa tggctttgga aaatttgggg      120

gcaccagcac taattccgtt gaaactgaaa gtattccaca ggatcctgaa acgcaaaaag      180

ttaaagaaac tatgggaatt ccgggtttgg ccgcaaagca aaaacttttg atgtagaaga      240

aatggtgaag caaattcatc aaactgttag agataaaact aaagatataa ttaaagataa      300

tactaaagat gattctgaag aagagagtga tattgtaggt cccttacctt ccaatttaac      360

atctgaaaat gctgataaaa ctgtggaatc cgataaaagt gaagacagtt atgatgattt      420

aagtgactca gatgaagatg attctaatga aaaactttta ataaaccgat cctttatcca      480
```

tgaggt   486


```
<210>  2256
<211>  494
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (29)..(29)
<223>  n = unknown

<400>  2256
tatatcgggt cgagtttgca aaagagttnt atttaattta ttgttgccgc ccgtgttaaa    60

ttaagtaaac tttttcaaga tgatgcccgc acttgcagac ccagtggctt cgccaagga    120

tttcgccgca ggtggtattt ctgccgcagt ctctaagact gtggtagcac ccatcgaacg   180

tgtcaaattg ctcctgcaag tacaacacat ttccaaacaa attgctgagg ataaacgtta   240

caaaggtatc atcgattgct ttgtacgtat ccctaaggag cagggcgtac tttccttctg   300

gcgtggtaac ttggccaatg tcattcgtta tttcccaact caggctttga acttcgcatt   360

caaagacaag tacaagcaag ttttcttggg tggagttgac aagaagaccc aattctggcg   420

ttacttcgca ggaaacttgg catctggtgg tgctgtggag ccacatcatt gtgcttcgtc   480

tacccacttg attc                                                      494


<210>  2257
<211>  485
<212>  DNA
<213>  Ctenocephalides felis

<400>  2257
actcacaaat gatgtgtcca tcataaaatt ggtcgatgaa ggagtagatc ttaaacctgg    60

taccttgtta actgttactg gatggggatc aactggaaat ggaccttcaa ccaatgtttt   120

gcaagaagtt caagtaccac atgtcgacca aaccacttgc tccaaatctt acccaggaag   180

tttgactgat cgtatgttct cgctggtta tttgggacaa ggaggcaagg actcatgcca   240

aggtgattct ggtggcccag ttgttgtcaa tggtgttcaa catggaattg tctcatgggg   300

tcgtggttgt gcacttcctg attatcctgg agtttactct aaaatctcta ccgctcgcag   360

ctggatcaag gaagtgtctg gtgtttaatt tattcttgaa atctctattt tgtattattt   420

atgtatatag taagagttgt aaatataaat agttacatct aatctaaaaa aaaaaaaaaa   480

aaaaa                                                                485
```

```
<210>    2258
<211>    500
<212>    DNA
<213>    Ctenocephalides felis

<400>    2258
attttttaac aaaatgaaat ctttgatttt aactctttta attttttggac cattagtgtc      60

ttcaggtttc gtgatcgacg cccaaaacaa tggaattgac aatgaatatg aaataaatgt     120

cattttatttt gctactgaaa gtgagttgct tgaaaagtac cctcatgcaa agaatcttga     180

gttggagaaa gaagaattat ttacgggaag agttcaactc acgtatactt taggaaaccg     240

agtgccggga gatcggcttg tagccattgg aaccgattcc tattcttggc cagatgcccg     300

agacgttaag ctggaattga cctaccccac ttctggaaat ggtgcggttg tgtcttacct     360

tcttatagga atcgttcaag atcaaatatc ggcaatgcct atgttgttag tggaggaata     420

ggacaaagaa ggattgttat tgtgtcaagc tgtcacacga cattcttgag ctataatgct     480

caaattatgg acgataagtg                                                  500


<210>    2259
<211>    178
<212>    DNA
<213>    Ctenocephalides felis


<220>
<221>    misc_feature
<222>    (127)..(127)
<223>    n = unknown

<220>
<221>    misc_feature
<222>    (173)..(174)
<223>    n = unknown

<400>    2259
gcaggccaga tattttttgtg aaagtgcgag atttccaatc ctggattaat tctgaaattg      60

aaaaaaatta aatagattcc aatcatgatt tgttataatg aaaaatggtt taataaaggc     120

agcatanttt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aannaaaa       178


<210>    2260
<211>    500
<212>    DNA
<213>    Ctenocephalides felis

<400>    2260
atctttttca aaatggtgtc caaagtgttt gttgctcttg ccatcattgg ctttataggg      60

gctgcacaag ccttttttcga acaagatgcc gtcttagata agatggtaga tgacatctct     120
```

```
gctgaatatg agaacagcat tgcaagaatt agccaagata gcaaaattga tatgattgcc      180

gctgaattcg aaaaacaagg atttgcccct gaagtcgata gagatttgga gaggttcaac      240

aaagaagttg aaaggaaact tagcaaaaaa gtgagtgaag ccgcaaagga atgccttaaa      300

ggccaacacc aaaaagctct aggctacgca caagaagccc gtgctaaggt caaggcttgc      360

agagatgaca acgtgatga attcaaccaa gttcgccaaa atggcttgcc gctggagaga      420

agccagggag aacgccgaag ccctcagagc acaagccaag gagtgcgttg tgaccgcagc      480

cgatgtcgat gaagccagag                                                 500
```

```
<210>  2261
<211>  500
<212>  DNA
<213>  Ctenocephalides felis

<400>  2261
caggttcaga gtgtgtttta aaacgacaaa taaccaaagg agccaaaatg cctcaagaac      60

ttaataaaat ctcggatgaa gagcgagagg gaaaattcgg ctatgtatac gccgtttctg      120

gtcctgtcgt aacagctgaa cgtatgtcag gatcagctat gtacgaattg gtaccgtgta      180

ggatactatg aacttgtcgg agaaatcatt aggttggaag gtgatatggc tactattcag      240

gtatatgaag aaacatcagg tgtaactgta ggtgaccctg ttctaagaac aggaaaacca      300

ttgtccgtag aacttggacc aggtatcttg ggaagtatct ttgatggtat ccaacgtcca      360

cttaaagata ttaatgagtt aactcaatcg atttacattc caagggtgt taatattcct       420

gctctgtcaa aaacacagtc ctgggacttt gatccaatga acattagaat tggatcccat      480

attactggag gagattgtat                                                 500
```

```
<210>  2262
<211>  496
<212>  DNA
<213>  Ctenocephalides felis

<220>
<221>  misc_feature
<222>  (414)..(414)
<223>  n = unknown

<400>  2262
tataaatcat tttcaaaatg gtgtccaaag tgtttgtcgt tcttgccatc attggcttta      60

ttggggctgc ccaagccttc ttcgatcaag atgccgtctt agataagatg gtagatgaca      120

tctctgctga atatgaaaac agcattgcaa gaattagcca agatagcaaa attgaaatga      180
```

```
ttgctgctga attcgaaaaa caaggatttg cccctgaagt cgatagagat ttggaaaggt    240

tcaacaaaga agttgaaagg aaacttagca aaaaagtgag tgaagccgca aaggaatgcc    300

ttaaaggcca acaccaaaaa gctctaggtt ttgcacaaga agctcgtgct aaggtcaagg    360

cttgcaggga tgataaacgt gaggaattca accaagttcg ccaaaatggc ttgncgctgg    420

agagaagcca gggagaacgc cgaagccctc agagcacaag ccaaggagtg cgttgtccgc    480

accgtgtcga tgaacc                                                   496
```

```
<210>  2263
<211>  500
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (34)..(34)
<223>  n = unknown

<400>  2263
cggtttagtg catataggaa taaaatacta gttntattgc cattaatatt tgaaaaatat     60

cattgagaaa atgtcaatat tattatgcgc gctatttttt gcttcgacgc ttagcaatga    120

aactttgtcg aaacaccatc aagttaagaa tcgtcgattt tacatagatt atgataaaaa    180

tacattcatg atgggatgac aaaccatttc gatacatagc aggttcatta cattattttc    240

gggtacatcc gcaacaatgg aaagaccgtt tggaaaagct aaaagcagca ggtttaaatg    300

ccgttgatac atatgttgag tggtcacttc acaattttga tgaaggaaaa tattggtggg    360

gcagcaacgc cgatttggag caatttatta aaactgcaca agaagtagga ttgtatgtaa    420

ttttgagacc agggccatac atttgcgctg aacgtgattt tggaggccaa ccttattggc    480

tcttatcaca cccagaaaaa                                                500
```

```
<210>  2264
<211>  500
<212>  DNA
<213>  Ctenocephalides felis

<400>  2264
cttcttcgat caagatgccg tcttagataa gatggtagat gacatctctg ctgaatatga     60

aaacagcatt gcaagaatta gccaagatag caaaattgaa atgattgctg ctgaattcga    120

aaaacaagga tttgcccctg aagtcgatag agatttggaa aggttcaaca agaagttga     180

aaggaaactt agcaaaaaag tgagtgaagc cgcaaaggaa tgccttaaag gccaacacca    240

aaaagctcta ggttttgcac aagaagctcg tgctaaggtc aaggcttgca gggatgataa    300
```

```
acgtgaggaa ttcaaccaag ttcgccaaaa tggcttggcc gctggagaga agccagggag    360

aacgccgaag ccctcagagc acaagccaag gagtgcgttg ttaccgcagc cgatgtcgat    420

gaagccagag cttgcttgaa agatgtcttc aagctgccgt gaaggaccaa ggacttggca    480

aggctttcaa agaacctgtc                                                500
```

<210>   2265
<211>   455
<212>   DNA
<213>   Ctenocephalides felis

<400>   2265
```
ccaaaatggc ttggccgcct ggagagaagc cagggagaac gctgaagccc ttagagccga     60

agctaaggag tgcgttgtga ccgcagccga tgttgatgaa gccagagctt gcttgaaagg    120

ggttcttcaa gctgcccacg aaggagctaa agacttggcc aaggcactca agaaacctg     180

gtcccaattg ggtaacttag tccgcgaagt cggaaaatgc gcaaggggag ccttgaaaga    240

attcagggat aacttggttc aagtccgtaa agactgtgct gactgcttaa aacttactga    300

taactaaatt attttaagaa ttttataacc aactgtaaat tatctataaa cgttttaaga    360

ttatttagtc gtatttgtgg tgcaatgaat ttagtttttt atgtagtatt ttgacaaata    420

aaaattattt ataaaaataa aaaaaaaaa aaaaa                                455
```

<210>   2266
<211>   505
<212>   DNA
<213>   Ctenocephalides felis

<400>   2266
```
tctgtcttaa taaaattgtt atagaattta atttttatgt taaaaagcgt aaatattatt     60

aaaggacgag aagacccttt aaagttttat atataaatat agattaattt taagaatatt    120

attaaattta tttatattaa tatattttat tggggtgata ggaaaattta taaaacttt     180

ttttattaa aacataaata attgaataat tgatccataa attatgatta aaagattaag    240

ttacttaagg gataacagcg taattatttt taagagaaca tatcgcaaaa tagattgcga    300

cctcgatgtt ggattaagat aatttttaaaa tgcagaagtt ttaaaatttg gtctgttcga    360

ccattaattc ttacatgatc tgagttcaaa ccggtttaag ccaggttggt tctatcctta    420

attttttaaaa ttaattagtc gaaaggccat taatttataa taattattta attgaataaa    480

ataaaaaaaa aaaaaaaaaa aaaaa                                          505
```

<210>   2267

<211> 500
<212> DNA
<213> Ctenocephalides felis

<400> 2267
gttcttcaga tatttactaa atattgtgaa ataaatcatt ttcaaaatgg tgtccaaagt   60

gtttgtcgtt cttgccatca ttggctttat tggggctgcc caagccttct tcgatcaaga   120

tgccgtctta dataagatgg tagatgacat ctctgctgaa tatgaaaaca gcattgcaag   180

aattagccaa gatagcaaaa ttgaaatgat tgctgctgaa ttcgaaaaac aaggatttgc   240

ccctgaagtc gatagagatt tggaaaggtt caacaaagaa gttgaaagga aacttagcaa   300

aaaagtgagt gaagccgcaa aggaatgcct taaaggccaa caccaaaaag ctctaggttt   360

tgcacaagaa gctcgtgcta aggtcaaggc ttgcagggat gataaacgtg aggaattcaa   420

ccaagttcgc caaaatggct tgccgctgga gagaagccag ggagaacgcc gaaccctcag   480

agcacaagcc aaggagtgcg   500

<210> 2268
<211> 381
<212> DNA
<213> Ctenocephalides felis

<400> 2268
ttttactaaa ttttaatatt tgtataccgt tgtcgaaaga atatttttaa aaaaattaaa   60

ttttcaaaaa tttaaaataa aatttatgtc aaatcaaggt gcagtttata atttagaaga   120

aatgggttac aataaattta tttaaatgga ttttatattg aaaaatatta ataaaggtgg   180

atttaatagt aaattaattt taatataatt aattgattaa agttctaaaa tatgtacata   240

ttgcccgtcg ctctttttaa tttattaaaa aaagataagt cgtaacatag tagatgtact   300

ggaaagtgta tctagaaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa   360

aaaaaaaaaa aaaaaaaaaa a   381

<210> 2269
<211> 494
<212> DNA
<213> Ctenocephalides felis

<400> 2269
atgttgcact tttacggatc aaagagccaa tatcatttac tccatgcaca gtaactcctg   60

taaaattaat acaatcggga aaagaagtac cgaagggaac aactttgagt gtaactggat   120

ggggcgccac gaaggaatgg gggccaattt cgccaaagtt acaagaagtt aaagttaaag   180

cttactcaag tcaagaatgc aagaacagtc atgctattaa cagtgacatc atttctgaca   240

```
gtatgatgtg cgctggtttt cctcaaggac aaaaagatac ttgtcatggg gatagcggtg     300

ggccacttgt agatgaaaaa caggttcaag taggagttat atcctggagg cgaggatgcg     360

cgcgacctgg atatcctggc gtatatacaa aattgagccc ccggaaatcc aacagtttat     420

taaaaacaat gtaaaacttt aaatcataaa actgatgaaa atcaacaata aacaattacg     480

gaaaataaaa aaaa                                                       494
```

```
<210>   2270
<211>   496
<212>   DNA
<213>   Ctenocephalides felis

<400>   2270
ttagaagctt tattggttgc agtgtttgcc ttgggtgctg tggctgctga caggaattcg      60

cccacatatg tccgcggttt cccagtggga agatccagag cacgaacaac atttggcaat     120

gaagaaataa agtgtactaa taagcagttg ggaacatttt gtcacgattg ttctactttg     180

aagttgtgcg ctggacaaga aaccccaatt acaacaatca attgcagaga ctcaaattcc     240

gatgctccat tttgtgtaga tgatatgtgc tcatcaaaac ctggggaaaa ctgtaagacg     300

gcagaaacta catgcgcggt tgtaggatat cagccagatc cgaaagactg cacaagatac     360

ttattctgca aagatggtaa aggtcaggtt ttcgaatgcc cacctaacta tgtatatgat     420

cattctaaaa attgtgtaaa aagaaatcgt cagaagctga ttgcaccgca tgaaatgcac     480

aaatccaatt cttttta                                                   496
```

```
<210>   2271
<211>   494
<212>   DNA
<213>   Ctenocephalides felis

<400>   2271
tccaaataat aggattgtca atggaaatga tgctaaagaa ggacagtatc catatgttgt      60

atctttacgt ggacccactg gaggccacac ctgtggtgcc tccattatta acagactctg     120

gattttgact gcagctcatt gtgtttatgg aagagaagac ttagattttt cggttcaata     180

tggagtcacc aaaatttcac aaaaaggtga tactgtagtt gatgttgatg aaataattgt     240

acacaaaggt tataatccta gtaacagtta tatcaacgac attgcacttc tcaagctatc     300

tgaacccttа aaatatagta aatttgcgca accagttact ttgccagaag ccaatgaaca     360

aactaaacac aatgcatcag ctactcttgt cggatgggga ataaattcta ctaccgacgg     420

agttttacaa acacatctcc aagaattgca ctaccagatc gtcggatcca aggaatgtgg     480

tgatttgcac ttta                                                      494
```

```
<210>   2272
<211>   496
<212>   DNA
<213>   Ctenocephalides felis

<400>   2272
tttcattggt gcttctaatc catcactgga acaaactgaa acccatccaa actcaaattc      60

tgtagaagct gatgcactca taactccaaa aaaatgtagt aatcaaaaaa ggcaatttag     120

cagagttcct tcttattatg ataaattaaa ttcctggctt ggtcagattt tgcagagaga     180

tgctccgcag gtacccctgg aaatatgtga tttagatagc gctggtattg tgttaagata     240

ctgcccatta gaagctgctc caggaggtcc tcctgaggca agagatctag aagagtttgc     300

cgtttgtgtt gaacagcaat tagaaatttt agaggctacc ataaaacata agaaacatt     360

tgtaagactt gttgagcaga gtccagtttt gaaactagtt gaactgcagg atgggctggt     420

ctgggtgggg ttcgctatgc accaaaggtt gggaagcatt attaacagat caagctaaat     480

cagaattaaa taagtt                                                     496
```

```
<210>   2273
<211>   496
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (463)..(463)
<223>   n = unknown

<400>   2273
cccactcgcc aaattacacc atggctgaac cagaaaaggc tcctgaacaa ccaaaggtgc      60

ccgcacagaa gcaaatcatc gcttcgaagg tgatgggaac tgtgaaatgg ttcaatgtca     120

aaagcggata tggatttata aatagaactg acaccaagga agatgtgttt gtacatcaat     180

ctgccatagt taaaaacaac ccgaagaagg ctgtccgcag tgtaggggat ggagaaactg     240

tggagtttga tgtggtaatt ggagagaagg gaaatgaggc agctaatgtg accggcccag     300

aaggagagcc agtcaaggga agcccatatg cggccgacaa acgccgcagc tatcgccaat     360

ggagctaccc tcgtggagga cccaggggac ccagaagaaa ttacgaagga ggcgaaggta     420

aagaagggtc gggttcggga ggcgagaacg gtgatggcaa ggnccgtaca aggaggcggc     480

cccgcgtggc cgttcc                                                     496
```

```
<210>   2274
```

<211>   485
<212>   DNA
<213>   Ctenocephalides felis

<400>   2274
gatatttact aaatattgtg aaataaatca ttttcaaaat ggtgtccaaa gtgtttgttg   60

ctcttgccat cattggcttt ataggggctg cacaagcctt tttcgaacaa gatgccgtct   120

tagataagat ggtagatgac atctctgctg aatatgagaa cagcattgca agaattagcc   180

aagatagcaa aattgatatg attgccgctg aattcgaaaa acaaggattt gcccctgaag   240

tcgatagaga tttggagagg ttcaacaaag aagttgaaag gaaacttagc aaaaaagtga   300

gtgaagccgc aaaggaatgc cttaaaggcc aacaccaaaa agctctaggc tacgcacaag   360

aagcccgtgc taaggtcaag gcttgcagag atgacaaacg tgatgaattc aaccaagttc   420

gcaaaatggc ttgccgctgg agagaagcca gggagaaccc gaaccctcag agcacaagcc   480

aagga   485

<210>   2275
<211>   500
<212>   DNA
<213>   Ctenocephalides felis

<400>   2275
attttttaga atgttttata tcacattggt ttttattagt tttgtggcgt tatctgtcgt   60

taccgcttat gatggtgagt ttaatgtcga cggaacgcct ttaacagtaa ataaagaagt   120

atttgcatca ttggatgagc ccgcaccagg agtagtacct actcctgaac ctacacctgt   180

accgaaaccc gagcaaaaat gtaaaaaagt aaaatttagt tgcgtgaatt cgtgcagttc   240

acccgaaatg cagtattgtc cggaaatagg agcagatccg gttaaggaat cctgtagccc   300

agatcaagtg tgcgctgatc aaagtggata tctacagtgc accactaaag aaagtacagt   360

ctgcaaagta caaggtttca aatgtccgtc accatcgaga ttttatccaa attaaatgat   420

tgcaaagcta ttattattgt gacgaaaata gtataggaac ccaatattat tgcccgcaaa   480

tttgcatatg atccgtacgt   500

<210>   2276
<211>   535
<212>   DNA
<213>   Ctenocephalides felis

<400>   2276
ttcatgtctt tttgaaaata atataaagtc taatctgccc attgaagatt taaaaggccg   60

cagtaatttg actgtgcaaa ggtagcataa tcaatagttt tttaattgaa agctggaatg   120

```
aatgattgaa tgaaatatta actgtcttaa taaaattgtt atagaattta atttttatgt      180

taaaaagcgt aaatattatt aaaggacgag aagacccttt aaagttttat atataaatat      240

agattaattt taagaatatt attaaattta tttatattaa tatattttat tggggtgata      300

ggaaaattta taaaactttt tttttattaa aacataaata attgaataat tgatccataa      360

attatgatta aaagattaag ttacttaagg gataacagcg taattatttt taagagaaca      420

tatcgacaaa atagattgcg acctcgatgt tggattaaga taattttaaa atgcagaagt      480

tttaaaattt ggtctgttcg accattaatt cttacatgat ctgagttcaa accgg          535
```

<210> 2277
<211> 496
<212> DNA
<213> Ctenocephalides felis

<400> 2277
```
ctcacctgta aatattttta tgccataata tttttgaata cataaaagta aaataataaa       60

gtgaaaatga agacaaaaaa tattctcttt tgtttaacta ttggattagt tatgctgagc      120

ctttgtgcag aagcagaagc aagacgtaag attctcagag gccgacaagt tataacaaga      180

acttataaca aagggttggc cgttcctgcc tggtcgattg ttctaatgtg tggaatagga      240

atgattattc tgggggggatt attatatgtt gcaatgtaca aaatgatttt atcagaaagt      300

aaaagtgaag acataaatat gataccagtt tacacagcag ctgcaacaag agatgatgat      360

gaatcttgaa cgtcaataaa taaattatat atatatatat atatatatat atatatatat      420

atacttaaaa aaaatatact atttaattta tgtattggaa tgactagata caattatata      480

tagcttatta aaaaaa                                                       496
```

<210> 2278
<211> 479
<212> DNA
<213> Ctenocephalides felis

<400> 2278
```
ggggttcaac ccgcttattt tgtatcaagg agcgggtgtt gaataggcca catcatgggg       60

gctatgtttc gaagtgagga gatggcttta tgccagatgt ttattcagcc tgaagctgct      120

tacacttcag tttcagaatt gggagaagct ggaaccgtcc aatttagaga cttgaatgtt      180

gatgttaatt catttcaacg taaattcgtc aacgaagtca ggcgttgcga tgagatggag      240

agaaagctcc gctacgtaga aacagaaatt aacaaagaca aagtgtctgt accagatgtt      300

caagacgttc cccatgctcc taatccaagg gaaataatag acctagaggc acatttggag      360

aaaacagaaa atgaaatcat ggaactgtcc caaaatgcag tcaatcttaa atccaacttt      420
```

```
ttggaattga cagaactcaa aaacgttcta gaaaaaacac agagcttctt cgtggagca      479
```

```
<210>  2279
<211>  543
<212>  DNA
<213>  Ctenocephalides felis
```

```
<400>  2279
cagctgctga tatataccaa ataaagtttg tttgtgagaa aaagtatttg cataatttgg      60

attatttcca ctatatcaga ttactcattt gaaccatgtc tctcgtacca ttgttgtttc     120

acgactggtg ggaggattac gaccacccaa tgcgtcttat ggaccaacat tttggaatgg     180

gcctaaatcg taatgatctt attactaatc taagggccac tccatcactc ttccgtggcg     240

gttattacag accttggagg aatgaaatta ctgctgacga ttcttcatca actatcgttg     300

ctgacaaaga taaattccaa gtgactttag acgttcaaca attcaaacca aaagaaatca     360

ccgtaaaaac aaaggacaat tgcgtaatcg tcgaaggcaa acacgaagaa aaacaagatg     420

aacacggata catttcccgt cattttgttc gacgatatgt cttgcccaga aatcacgatg     480

ctgccgatgt agtatcgagt ttgtcctcgg atggagtatt gaccataaca gcgcccaaga     540

agg                                                                   543
```

```
<210>  2280
<211>  534
<212>  DNA
<213>  Ctenocephalides felis
```

```
<220>
<221>  misc_feature
<222>  (475)..(475)
<223>  n = unknown
```

```
<400>  2280
ttttattaga gctccgaagt gctcttacta tatttgttat agtcatatat atttaagtat      60

attgaagaat tgaaccgatg gcaagcccag ttgtgcgaaa atcgaacaag gacgaagtaa     120

ataaagaaat tgtcagtatg gatgaagtag ctaaagatgc taaaaatttt attgaacgca     180

ttcttgggga tgtgagcaaa acctcagcaa ctaaacaatt agtcattggt tcattatcag     240

gatggacaac tggatttgtt actatgagga ttggtaaatt ggctgctctt gccgttggcg     300

gtggtatttt aatattacaa gtagctaacc acaaagggta catttctatt gactgggata     360

aagtaactaa aaaggctgat aaggtgacag ataaaattga agaggctgtt actggagaaa     420

ctcccaaatt aatggataaa gtcagaattt ttacaagaga gaatccttat attgnaactt     480
```

cttttattgg tggtttcttc attggattat catgttaacc atgctatagc attg   534

<210>   2281
<211>   539
<212>   DNA
<213>   Ctenocephalides felis

<400>   2281
cttggtgcaa tgacaaattg caaccgatcg tactgaaatg tgaagacgac gtcaacgaat   60

ggtttgaccc aaaatctttc tcgtgcagaa ctgcatgcaa aagtgaaaac gttttttccg   120

atcgaagaga ttgtaaaaaa tattatcaat gtttcttggt taacaacaaa tggcaaataa   180

aacattatga ttgtccaaat ggcttgcact ttgataaaac ggagttgcga tgcatacccа   240

cgccacccgg cgaagaatgc aaaagtgaga ttgctaagta aggcttaaac caggaaaaca   300

atcttgaata gactaattag gattcaaatt atcataaagt agtcaattaa tataataaat   360

cacaaatgat ctgtgcaatt aaatataaaa aatatgtata aaaattaaaa tgtataaaat   420

tgtattttat gtaaggagca caaacaaat gtcattaact atagtaattt ctgattattt   480

aaaatatata aatatagaag ctttattgaa attaaaaaaa ccaaaaaaaa aaaaaaaaa   539

<210>   2282
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2282
ataaacttca agttttgtct gcaatatata aaaatttaag atggctaaag caccagcagt   60

tggtatagat ttgggtacta cgtactcctg cgtgggtgtt ttccaacacg gaaaagtaga   120

aattattgca aatgaccaag gaaacaggac tactccttca tatgtcgcgt ttaccgatac   180

agagcgtctc atcggagacg ccgccaagaa tcaagtggcc atgaacccca ataacacaat   240

ttttgatgcc aaacgtctta ttgggcgtaa attcgaggac caaacagtcc aagctgatat   300

gaaacattgg cccttcgagg ttgtcagcga tggaggtaaa ccaaaaatta gagtatcgta   360

caaaggagaa tccaaaacct tcttccctga agaagtcagt tccatggtgt tgactaaaat   420

gaaggaaacc gctgaagctt acttaggcaa aactgtgacc aatgctgtcg ttactgtcct   480

gcctacttca atgactcaca acgtcaagcc accaaggatt cgggaactat ctccggtctg   540

aatgtgttg   549

<210>   2283
<211>   543
<212>   DNA
<213>   Ctenocephalides felis

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<400>  2283
ttcagttcga gtcggcacca gtttccaagg aagacgtggt tccgttcatc ctgtggcaca      60

aattatcaag catcctgcat acggtaatgt aactgacatc gatatggatg tcgccctcat     120

caaggttcga agaccattcc ggttgaataa cagaactgtt agaacagtca aacttactga     180

tgttggaaaa gacatgccat caggagaatt agccactgtt actggctggg gaaatttagg     240

ggaagatgaa gacgaccccg aacaactgca atatgtaaag gtacctattg ttaactggac     300

tcagtgcaaa actatatatg gaaatgaagg actaataatt acccaaaata tgatttgtgc     360

tggttatcct gaaggcggta aggactcttg ccaaggagat agcggtggcc cactcgtcaa     420

ctctaaggga gttctgcatg gaatagtgtc ttggggaata ggatgtgcac gacccgaaat     480

cccaggagta tatacccgag tggcttcaaa accaataaga gaatttatca aaatgcacac     540

tgg                                                                   543


<210>  2284
<211>  545
<212>  DNA
<213>  Ctenocephalides felis

<400>  2284
ttaaaattgt tttttctata aaaatagcat aatttaggaa actatatcga aaaaataata      60

aatttttaag tggcccttta atatcttcta gaattaaata tggcaaccgt accccttatg     120

tttgctgaag atgacctaga aggtggtgga aaagaaggtt caatcgagaa tgactttgca     180

tataacaata acgttattaa tgcatctgtt cgtgtgagac ttggattcat tcgaaaagtc     240

tatggactac ttaccgttca gttgttattg agcttgctgg tgggcatagc ctgccaaatt     300

gagcctgtac aaggaattgt taaagcaaat gactggctcg tattagtctg catgatcagt     360

agcattggtg tgctggttgc tcttcatatc aagagaaagg aaacaccaac taattttatt     420

ctgttaacaa ttttcacaat tacaaactcc atcagtgtgg gtgtgctagt aacacatttt     480

aaagctagtt tagtacttca agctattgca attactttgt gtgttggtat tggtataaca     540

ctctt                                                                 545


<210>  2285
<211>  542
<212>  DNA
<213>  Ctenocephalides felis

<400>  2285
aataattgat aaatttattt ataaatcatc ataattcgat ataatttaca aaatgcgtgc      60

tttgactttt attttgttca gctgtctttt gtttgctgct tttgtccgtt gcgatgacga     120
```

```
agctgctgaa acagatcacc atccagttgg tcctgaatcc tgcaccaaag aaaacgagga    180

attccaacca tgtggaacaa gttgtccagt aacctgtgca atcatttgg  acaaaactcc    240

gaaaccatgt accctgcaat gtgttattgg atgtcactgt aaagctggat ttgtcaaaaa    300

tgatgaagga aattgcgtaa aagaagaaga ttgtcctaac catccatctg gggatcatga    360

acaccatgaa ggggatgatc atgaacacca tgaggaaaaa catgaggacc atgaaaacca    420

tgatgaaaaa catgaaaacc atgagaacca tgacgaaaat catgaacacc acgagaacca    480

tgatgaaaac catgaacacc atgattaaat tgtagatgag aggtatttga atcaaaaacg    540

tg                                                                   542
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```
<210>  2286
<211>  543
<212>  DNA
<213>  Ctenocephalides felis

<400>  2286
tgctatgggt gaattcttcc gtgacaatgg aaaacatgct ttgatcatct atgatgattt     60

atctaaacaa gctgttgctt atcgtcaaat gtctctattg ttacgtcgtc caccaggtcg    120

tgaggcttat ccaggtgatg tcttctacct tcactcacgt ctacttgaac gtgccgctaa    180

aatgtctgaa gctcatggag gtggctcttt gactgctttg ccagttattg aaacacaagc    240

tggtgacgta tcagcttata ttccaactaa tgtcatttcc attactgatg gtcaaatctt    300

cttggaaact gaattgttct acaagggtat tcgaccagcc atcaatgtag gtttatctgt    360

atctcgtgta ggttctgctg cacaaaccaa agccatgaaa caggttgccg gttccatgaa    420

actggaatta gctcaatatc gtgaggtggc tgcttttgcc caattcggct cagatcttga    480

tgcagccaca caacaattgg taaacagagg tgttccgttt gactgaatta ttggaacaag    540

gac                                                                  543
```

```
<210>  2287
<211>  542
<212>  DNA
<213>  Ctenocephalides felis

<400>  2287
gaaggacagt atccatatgt tgtatcttta cgtggaccca ctggaggcca cacctgtggt     60

gcctccatta ttaacagact ctggattttg actgcagctc attgtgttta tggaagagaa    120

gacttagatt tttcggttca atatggagtc accaaaattt cacaaaaagg tgatactgta    180

gttgatgttg atgaaataat tgtacacaaa ggttataatc ctagtaacag ttatatcaac    240
```

```
gacattgcac ttctcaagct atctgaaccc ttaaaatata gtaaatttgc gcaaccagtt    300

actttgccag aagccaatga acaaactaaa cacaatgcat cagctactct tgtcggatgg    360

ggaataaatt ctactaccga cggagtttta caaacacatc tccaagaatt gcactaccag    420

atcgtcggat ccaaggaatg tggtgatttg cactttagac ccatttataa agagcaaatt    480

tgcgcagctt atccagatta tgacagagca caatgcagtg gagattctgg aggtccattg    540

ac                                                                   542
```

```
<210>  2288
<211>  549
<212>  DNA
<213>  Ctenocephalides felis

<400>  2288
atattagggc ggattatgat tttgacgttg ctgtactaga acttgaaaaa ccagtctcat    60

atacggtttg tacagtagta tcagtagatt tagccgaaag tggaactgaa gttaaacctg    120

gagcaatact tagtgtcact ggatggggtg caactaagga aggtggcggc ggaactttgc    180

aactacaagg tgtgaaagtt ccagctatct ctcccaaaga ttgtgctaag gggtatccac    240

cttctggagg taaagacaaa attacagaca gcatgttatg tgctggtctt cctgaaggag    300

gtaaagattc ctgccaaggc gacagtggcg gtccactggt agatgaaaat agaaagcaag    360

taggagtggt ttcttggggt caaggatgtg ccagaccagg aaaaccagga atttatgcta    420

aagtgtcaca ccccgaaatc agaaaattta ttgaaaaata gctaatgtt taagtggatt    480

ttattttcaa tataatgtga tttaagatac tctttaatgt tatgtaataa attgtgataa    540

attaaataa                                                            549
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```
<210>  2289
<211>  536
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (498)..(498)
<223>  n = unknown

<400>  2289
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tcattggctt tattggggct gcccaagcct tcttcgatca agatgccgtc ttagataaga    120

tggtagatga catctctgct gaatatgaaa acagcattgc aagaattagc caagatagca    180

aaattgaaat gattgctgct gaattcgaaa aacaaggatt tgcccctgaa gtcgatagag    240
```

```
atttggaaag gttcaacaaa gaagttgaaa ggaaacttag caaaaaagtg agtgaagccg    300

caaaggaatg ccttaaaggc caacaccaaa aagctctagg ttttgcacaa gaagctcgtg    360

ctaaggtcaa ggcttgcagg gatgataaac gtgaggaatt caaccaagtt cgccaaaatg    420

gcttgccgcc tggagagaag ccagggagaa cgccgaagcc ctcagagcac aagccaagga    480

gtgcgttggt acccgcancg atgtcgatga aaccagagct ttgcttgaaa gatgtc       536
```

```
<210>    2290
<211>    543
<212>    DNA
<213>    Ctenocephalides felis

<400>    2290
taaatcattt tcaaaatggt gtccaaagtg tttgtcgttc ttgccatcat tggctttatt    60

ggggctgccc aagccttctt cgatcaagat gccgtcttag ataagatggt agatgacatc    120

tctgctgaat atgaaaacag cattgcaaga attagccaag atagcaaaat tgaaatgatt    180

gctgctgaat tcgaaaaaca aggatttgcc cctgaagtcg atagagattt ggaaaggttc    240

aacaaagaag ttgaaaggaa acttagcaaa aaagtgagtg aagccgcaaa ggaatgcctt    300

aaaggccaac accaaaaagc tctaggtttt gcacaagaag ctcgtgctaa ggtcaaggct    360

tgcagggatg ataaacgtga ggaattcaac caagttcgcc aaaatggctt ggccgcctgg    420

agagaagcca gggagaacgc cgaagccct cagagcacaa gccaaggagt gcgttgtacc    480

cgcagcccga tgtcgatgaa gccagagctt gcttgaaaga tgtcttcaag ctgcccgtga    540

agg                                                                  543
```

```
<210>    2291
<211>    543
<212>    DNA
<213>    Ctenocephalides felis

<400>    2291
caaaggtatc atcgattgct ttgtacgtat ccctaaggag cagggcgtac tttccttctg    60

gcgtggtaac ttggccaatg tcattcgtta tttcccaact caggctttga actttgcatt    120

caaagacaag tacaagcaag ttttcttggg tggagttgac aagaagaccc aattctggcg    180

ttacttcgca ggaaacttgg catctggtgg tgctgctgga gccacatcat tgtgcttcgt    240

ctacccactt gattttgccc gtaccagatt ggccgctgat gtaggtaaag cgctggtca    300

acgtgaattc tctggattgg gcaactgctt gaccaaaatc ttcaagtctg atggtctccc    360

tggattgtac cgtggttttg gagtatctgt tcaaggtatc atcatctacc gtgcagcata    420
```

```
ctttggattc tatgacaccg ctcgtggaat gttgccagac cccaagaaca ccccattagt    480

tatcagctgg gccattgcac aagccgcaca actggtgctg gtattggtca tatccattcg    540

aca                                                                  543
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<210>  2292
<211>  541
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (28)..(28)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (511)..(511)
<223>  n = unknown

<400>  2292
ctgtgcaaag gtagcataat caatagtntt ttaattgaaa gctggaatga atgattgaat     60

gaaatattaa ctgtcttaat aaaattgtta tagaatttaa tttttatgtt aaaaagcgta    120

aatattatta aaggacgaga agaccctttta aagtttata tataaatata gattaatttt    180

aagaatatta ttaaatttat ttatattaat atattttatt ggggtgatag gaaaatttat    240

aaaactttt ttttattaaa acataaataa ttgaataatt gatccataaa ttatgattaa    300

aagattaagt tacttaaggg ataacagcgt aattattttt aagagaacat atcgacaaaa    360

tagattgcga cctcgatgtt ggattaagat aattttaaaa tgcagaagtt ttaaaatttg    420

gtctgttcga cccattaatt cttacatgat ctgagttcaa acccggttta agccaggttg    480

gtttctatcc ttaattttta aaattaatta ngtaccgaaa gggccaatta atttataata    540

a                                                                    541
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```
<210>  2293
<211>  542
<212>  DNA
<213>  Ctenocephalides felis

<400>  2293
gatggtacat actacgacgt cgaacgtttt gtgatgcatg ataaatatac accaagaatc     60

actgtcaact atgctgatat tggtctaata aaagtggcaa aagacattgt attcggtgac    120

aaagtccaac cgatcaaaat tagcaagaga aacatcaagg gtggtgaaat ttgcaaggca    180

actggttggg gtctattagg ttctgtggac tcagtaccaa acgaattaca acaagtagaa    240
```

```
accactgcaa taacagacga aaagtgcttt gaattgactc aattcattga cccaacttcg    300

caaatatgta cattcaggga atttggtaga ggcatttgct ttggtgattc tggtggacca    360

ctagtttaca aaaatgaact tgttggcatt acatcgatgc acttatactc ctgcagaggt    420

gggcaggcca gatatttttg tgaaagtgcg agatttccaa tcctggatta attctgaaat    480

tgaaaaaaat taaatagatt ccaatcatga tttggtataa tgaaaaatgg ttaataaagg    540

cg                                                                   542
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```
<210>   2294
<211>   543
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (488)..(488)
<223>   n = unknown

<400>   2294
aggctcggct ccgtaccaag tttcattgag aaatcagaat ctggagcatt tctgtggtgg     60

ttccattttg aacaaacgtt ggattgtgac ggctgcacat tgcctaaaac ccggcatttt    120

aaaatctgtc tatttgggat caaactcatt agatggcaat ggtacatact acgacgtcga    180

acgttttgtg atgcatcata aatatacacc aaaaattact gtcaactatg ctgatattgg    240

tctaataaaa gtggcgaaag acattgtatt cagtgacaaa gttcaaccaa tcaaaattag    300

caaaagaaat atcaaggatg gtgaaatctg caaggccact ggttggggtc gattggcgga    360

tggggcccca gtaccaaacg aattacaaca agtggaaacc actgtaataa caaacgaaaa    420

gtgctacgaa ttgtctcaat tcgttgaacc aacttcgcaa atatgtacat taaaagaatt    480

tggaagangc atttgctttg gtgattcttg gtggccactg ggttacaaaa gatgaactgg    540

gtg                                                                  543
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```
<210>   2295
<211>   537
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (14)..(14)
<223>   n = unknown

<220>
<221>   misc_feature
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<222>   (27)..(27)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (52)..(52)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (175)..(175)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (180)..(180)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (199)..(199)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (202)..(202)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (349)..(349)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (430)..(430)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (443)..(443)
<223>   n = unknown

<400>   2295
gtattctata gtgncaccta aatagcnggg gcgtaatcat ggtcatagct gnttcctgtg        60

tgaaattgtt atccgctcac aattccacac aacatacgag ccggaagcat aaagtgtaaa       120

gcctggggtg cctaatgagt gagctaactc acattaattg cgttgcgctc actgncccgn       180

ttccagtcgg gaaacctgnc gngccagctg cattaatgaa tcggccaacg cgcggggaga       240

ggcggtttgc gtattgggcg ctcttccgct tcctcgctca ctgactcgct gcgctcggtc       300

gttcggctgc ggcgagcggt atcagctcac tcaaaggcgg taatacggnt atccacagaa       360

tcaggggata acgcaggaaa gaacatgtga gcaaaaggcc agcaaaaggc caggaaccgt       420

aaaaaggcgn gttgctggcg ttntcatagc tcgcccctga cgagcatcac aaaaatcgac       480
```

gctaagtcag aggtgcgaac ccgcaggact ataagatacc aggcgttccc cctggag   537

<210> 2296
<211> 549
<212> DNA
<213> Ctenocephalides felis

<400> 2296
ggtgtccaaa gtgtttgtcg ttcttgccat cattggcttt attggggctg cccaagcctt   60

cttcgatcaa gatgccgtct tagataagat ggtagatgac atctctgctg aatatgaaaa   120

cagcattgca agaattagcc aagatagcaa aattgaaatg attgctgctg aattcgaaaa   180

acaaggattt gcccctgaag tcgatagaga tttggaaagg ttcaacaaag aagttgaaag   240

gaaacttagc aaaaaagtga gtgaagccgc aaaggaatgc cttaaaggcc aacaccaaaa   300

agctctaggt tttgcacaag aagctcgtgc taaggtcaag gcttgcaggg atgataaacg   360

tgaggaattc aaccaagttc gccaaaatgg cttgccgctg gagagaagcc agggagaacg   420

ccgaagccct cagagcacaa gccaaggagt gcgttgtccg cagccgtgtc gatgaaccag   480

acttgcttga aagatgtctt cagctgccgt gaaggaccag gcttgccaag cttcaaagaa   540

cctgtccaa   549

<210> 2297
<211> 549
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (294)..(294)
<223> n = unknown

<220>
<221> misc_feature
<222> (521)..(521)
<223> n = unknown

<400> 2297
gtttaatccg tattttaagt gatttttcat aatgaagctt atcagcatca ttttctgctt   60

agcattcacc tctgcttggg gatttagaat acctagttac atatggccat gggcccaaga   120

gaacagaatt gtcggggggac aaactaccca aattaatgaa agaccttatc aagtatcaag   180

tttgagatac aatcaacata attgcggagg tgttatttta aataaagaat atgttcttac   240

tgcggcacac tgtttcaatg atgtaactca tcattcggaa attcaagtca gagntggaag   300

tacaaatgct tatcacggag gaataatcgt ggatgttgag gacattacag tacacgaact   360

```
ttataatgaa aagttcacaa attatgatgt agctgttgtg aaattagctt atccattaag    420

atttgataaa aatataaaag cagcggtctg gcagaggatg gatatgagcc agaaataaat    480

tctaaggcac tgatccggat gggtagtttg agctccttgg nctcccagaa gagctccaca    540

ggtagattg                                                           549
```

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<210>  2298
<211>  544
<212>  DNA
<213>  Ctenocephalides felis

<400>  2298
tgtggctgct gacaggaatt cgcccacata tgtccgcggt ttcccagtgg gaagatccag    60

agcacgaaca acatttggca atgaagaaat aaagtgtact aataagcagt tgggaacatt    120

ttgtcacgat tgttctactt tgaagttgtg cgctggacaa gaaaccccaa ttcaacaatc    180

aattgcagag actcaaattc cgatgctcca ttttgtgtag atgatatgtg ctcatcaaaa    240

cctggggaaa actgtaagac ggcagaaact acatgcgcgg ttgtaggata tcagccagat    300

ccgaaagact gcacaagata cttattctgc aaagatggta aggacaggt tttcgaatgc      360

ccacctaact atgtatatga tcattctaaa aatatgtgta aaaagaaatc gtcagaagct    420

gattgcaccg tcatgaaatg cacaaatccc aatttttat aacctatgca ccggcccatc      480

aatttatgct tggtgcaatg caaattgcac cgacgactga atgtgaagac acgtcaacga    540

atgg                                                                544
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<210>  2299
<211>  544
<212>  DNA
<213>  Ctenocephalides felis

<220>
<221>  misc_feature
<222>  (542)..(542)
<223>  n = unknown

<400>  2299
gtcgacgaca gaggatagaa gtcagaggac atttataata cgcagttttt aagtttttttc    60

tggtgatttt gaatatattt ggagaaaatg aagaggattt tggttgcttt ggcggttttg    120

gtggtcgttg ctgaggctaa gctgtcatgt tcgagtacaa aagcctcgat ccctgaagaa    180

tggatcgaca tgacagccca gtgcacgagg agcatgagga accagatcca agaagaactg    240

agtgcttcga tgcaatactt ggccatgggg gcacacttct caagagacac tgtcaacagg    300
```

```
ccaggatttg ctgagatgtt cttcaaatcg gcaagcgaag agagggagca tgccatgaaa    360

ctcatgtctt acttgatgat gagaggagaa ctgaccgaga ggctgcagga cttgatcaga    420

acccaactgt tcaatcacac ttggctgatg gtttgagtgc tttgaaagat gctctgaaat    480

tggagcttcc gtcaaagaag ataaacatgt tttaaacttg cagacgatat ggactacatt    540

tnat                                                                 544
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<210>   2300
<211>   541
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (509)..(509)
<223>   n = unknown

<400>   2300
tttttgtgtc aatttgcagt tttagtagtt attttatta gaaatttgtt ataaatcaaa     60

tcagcaacca tggctttaag cgatgccgat gtacaaaac aaatcaagca catgatggct     120

ttcattgagc aagaagccaa tgaaaaagct gaggaaattg acgcaaaagc agaagaggaa    180

ttcaacattg aaaagggacg attggtacag caacagcgac taaagattat ggaatactat    240

gagaagaagg aaaaacaagt tgaattgcaa aagaaaattc aatcatccaa catgctcaac    300

caagctcgat tgaaggtatt gaaagttcgt gaagatcatg tgaggaatgt tttggatgaa    360

gcccgcaaaa ggttgggaga agttacacgt aataaggaac aatacaaaga agttttaaca    420

ccttattgtc aaggatgtcc acttatggag cccaaagttt attgaagtcc gcaagctgat    480

tagattggta gaatcagttt aactgtgcnt ggtcatttaa caccgatggt accaagaagt    540

g                                                                    541
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<210>   2301
<211>   419
<212>   DNA
<213>   Ctenocephalides felis

<220>
<221>   misc_feature
<222>   (41)..(41)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (116)..(116)
<223>   n = unknown
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<220>
<221>  misc_feature
<222>  (128)..(128)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (174)..(174)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (197)..(197)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (211)..(211)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (260)..(260)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (273)..(273)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (294)..(294)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (308)..(308)
<223>  n = unknown

<220>
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<222>  (317)..(317)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (321)..(321)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (331)..(331)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (345)..(345)
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<223>   n = unknown

<220>
<221>   misc_feature
<222>   (384)..(384)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (386)..(386)
<223>   n = unknown

<400>   2301
tttttttttt tttttttttt ttataaacaa tttttatttg ncaaaaagct acataagcta   60

gaaccattag accacaaata atatatcact agacattttt aggaagttta cagttngtta   120

tacaattntt aaactaattt agttatcagt aagttttaag cagtcggcac agtntttacg   180

gacttgtact aagttgnccc taaattcttt naaggctccc cttgcgcatt ttccgacttc   240

acggactaag ttgcccaatn gggaccaggt ttntttgagt gccttggcca agtnttttgc   300

tccttcgngg gcagctngga naaccccttt naagcaaact ctggnttcat cgacatcggc   360

tgcggtcaca acgcactcct tggntngtgc tctgagggct tcggcgttct ccctggctt   419

<210>   2302
<211>   336
<212>   DNA
<213>   Ctenocephalides felis

<400>   2302
ggtttccact gcaataacaa atgaaaagtg ctacgaattg tctcaattcg ttgagccaac   60

ttcgcaaata tgtacattaa gggaattttt aagaggcatt tgctttggtg attctggtgg   120

accactggtt tacaaaggtg aactggttgg cgtttcttcg tttgtcttgt acacttgcgg   180

agctggacgc ccagatgttt ttgttaaagt gcgtgatttc caatcttgga tcaattctga   240

aattagaaaa aaataaatag atttcaatca tgatttgttg taataaaaaa tggttaaata   300

aaggcagcat aatttaaaaa aaaaaaaaaa aaaaaa   336

<210>   2303
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2303
gttcttagaa gctttattgg ttgcagtgtt tgccttgggt gctgtggctg ctgacaggaa   60

ttcgcccaca tatgtccgcg gtttcccagt gggaagatcc agagcacgaa caacatttgg   120

caatgaagaa ataaagtgta ctaataagca gttgggaaca ttttgtcacg attgttctac   180

```
tttgaagttg tgcgctggac aagaaacccc aattacaaca atcaattgca gagactcaaa    240

ttccgatgct ccattttgtg tagatgatat gtgctcatca aaacctgggg aaaactgtaa    300

gacggcagaa actacatgcg cggttgtagg atatcagcca gatccgaaag actgcacaag    360

atacttattc tgcaaagatg gtaaaggtca ggttttcgaa tgcccaccta actatgtata    420

tgatcattct aaaaattgtg taaaaagaaa tcgtcagaag ctgattgacc gcatgaaatg    480

ccaaatccaa ttctttatac ctatcaccga cccatcaatt atgcttgtgc atgacaatgc    540

accgtcgac                                                           549
```

```
<210>   2304
<211>   549
<212>   DNA
<213>   Ctenocephalides felis

<400>   2304
gtttgccgtg cgtgtacata atatacgtgt gatttaggtt gttaggaata tttaataatt     60

aaactgtctt aagtaaaaac aaatccacaa aatggcattg atgcgttgta tttctgcgaa    120

caagttggcg gagtcacacc ataaagtgat ccccatcatc gccaccgcta ttagacactt    180

atcagcagaa tctactgatc tcaaagcagt tttagaaaaa attataccta gagaacaaca    240

aagagtcaaa gaattccgta aatctcatgg agccaccaaa gtgggagaag tcaccgttga    300

tatgatgtat ggtggtatgc gtggtattaa gggattagtc tgtgaaactt cagtattaga    360

ccctgaagag ggcatccgtt ccgaggctt atctatccca gaatgccaaa aagtttttacc    420

caaagcacca ggtggcgaag aacctttacc tgagggtctt tttggtatta atcaccggtg    480

aagtccaccg agctaagtta aagcctgcaa aggaatgggc taccggccca taccactcat    540

gtagtcagt                                                           549
```

```
<210>   2305
<211>   545
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (473)..(473)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (521)..(521)
<223>   n = unknown

<400>   2305
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tgctatatcg ggtcgagttt gcaaaagagt tttatttaat ttattgttgc cgcccgtgtt      60

aaattaagta aactttttca agatgatgcc cgcacttgca gacccagtgg ctttcgccaa     120

ggatttcgcc gcaggtggta tttctgctgc agtctctaag actgtggtgg cacccatcga     180

acgtgtcaaa ttgctcctgc aagtacaaca catttccaaa caaattgctg aggataaacg     240

ttacaaaggt atcatcgatt gctttgtacg tatccctaag gagcagggcg tactttcctt     300

ctggcgtggt aacttggcca atgtcattcg ttatttccca actcaggctt tgaacttcgc     360

attcaaagac aagtacaagc aagtttttctt gggtggagtt gacaagaaga cccaattctg     420

gcgttacttc gcaggaaact tggcatctgg tggtgctgtg gaccacatat tgngctcgct     480

acccacttga ttcgccgtcc agatggccgt gatgaggtaa ngcctgtcaa cgtgatcttg     540

gatgg                                                               545
```

```
<210>  2306
<211>  461
<212>  DNA
<213>  Ctenocephalides felis

<400>  2306
tccatcataa aattggtcga tgaaggagta gatcttaaac ctggtacctt gttaactgtt      60

actggatggg gatcaactag aaatggacct tcaaccaatg ttttgcaaga agttcaagta     120

ccacatgtcg accaaaccac ttgctccaaa tcttacccag gaagtttgac tgatcgtatg     180

ttctgcgctg gatatttggg acaaggaggc aaggactctt gtcaaggtga ctctggtggc     240

ccagtagtcg tcaatggagt tcaacacgga attgtatcct ggggtcgtgg ttgtgcactt     300

cctgattatc ccggagttta ctctaaaatc tctaccgctc gcagctggat caaggaagtg     360

tctggtgttt aatttattct tgaaatctct attttgtatt atttatgtat atagtaagag     420

ttttaaatat aaatagtaac atttaaaaaa aaaaaaaaaa a                        461
```

```
<210>  2307
<211>  501
<212>  DNA
<213>  Ctenocephalides felis


<220>
<221>  misc_feature
<222>  (423)..(423)
<223>  n = unknown

<220>
<221>  misc_feature
<222>  (468)..(468)
<223>  n = unknown
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<400> 2307

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gtctttataa aattgttata gaatttaatt tttatgttaa aaagcgtaaa tattattaaa      60
ggacgagaag acccttaaa gttttatata taaatataga ttaattttaa gaatattatt     120
aaatttattt atattaatat attttattgg ggtgatagga aaatttataa aactttttt     180
ttattaaaac ataaataatt gaataattga tccataaatt atgattaaaa gattaagtta     240
cttaagggat aacagcgtaa ttattttaa gagaacatat cgacaaaata gattgcgacc     300
tcgatgttgg attaagataa ttttaaaatg cagaagtttt aaaatttggt ctgttcgacc     360
aataattctt acatgatctg agttcaaacc ggtttaagcc aggttggttt ctatccttaa     420
ttntttaaaa ttaattagtc gaaaggccat taatttataa taattatnta atttgaataa     480
ataaaaaaaa aaaaaaaaaa a                                                501
```

<210>   2308
<211>   307
<212>   DNA
<213>   Ctenocephalides felis

<400>   2308

```
tttaaaataa caaaatgaaa ggaacattat taatattatc atgtcttgtg atcatgataa      60
gtgccgaata tgctgacgta gatgtgtgcc aagatttgga cgatggaact tttcttgctg     120
attcaaacaa ttgccaaaat ttcttcattt gtgatggagg ccgagcttgg aaaatgtatt     180
gtccaggatc acttttatgg aatgatcacg aaggaacatg tgattacgca caaaatgtag     240
aatgttacca accagaataa aacattttaa tatctgaaaa aaaaaaaaaa aaaaaaaaaa     300
aaaaaaa                                                               307
```

<210>   2309
<211>   545
<212>   DNA
<213>   Ctenocephalides felis

<400>   2309

```
tatttactaa atattgtgaa ataaatcatt ttcaaaatgg tgtccaaagt gtttgttgct      60
cttgccatca ttggctttat aggggctgca caagcctttt tcgaacaaga tgccgtctta     120
gataagatgg tagatgacat ctctgctgaa tatgagaaca gcattgcaag aattagccaa     180
gatagcaaaa ttgatatgat tgccgctgaa ttcgaaaaac aaggatttgc ccctgaagtc     240
gatagagatt tggagaggtt caacaaagaa gttgaaagga aacttagcaa aaaagtgagt     300
gaagccgcaa aggaatgcct taaaggccaa caccaaaaag ctctaggcta cgcacaagaa     360
gcccgtgcta aggtcaaggc ttgcagagat gacaaacgtg atgaattcaa ccaagttcgc     420
```

```
aaaatggctt gccgctggag agaagccagg gagaacgccg aagccctcag agcacaagcc    480

aaggatgcgt tgtgaccgca gccgtgtcga tgaaccagag tttgctggaa ggggttctcc    540

agctg                                                                545


<210>   2310
<211>   521
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (442)..(442)
<223>   n = unknown

<400>   2310
ccattccctg ctatatcggg tcgagtttgc aaaagagttt tatttaattt attgttgccg     60

cccgtgttaa attaagtaaa cttttcaag atgatgcccg cacttgcaga cccagtggct    120

ttcgccaagg atttcgccgc aggtggtatt tctgccgcag tctctaagac tgtggtagca    180

cccatcgaac gtgtcaaatt gctcctgcaa gtacaacaca ttccaaaca aattgctgag    240

gataaacgtt acaaaggtat catcgattgc tttgtacgta tccctaagga gcagggcgta    300

ctttccttct ggcgtggtaa cttggccaat gtcattcgtt atttcccaac tcaggctttg    360

aacttcgcat tcaaagacaa gtacaagcaa gttttcttgg gtggagttga caagaagacc    420

caattctggc gttacttcgc angaaacttg gcatctggtg gtgtgtggac cacatcattg    480

tgcttcgcta cccattgatt cgccgaccag attgccgtgt g                        521


<210>   2311
<211>   549
<212>   DNA
<213>   Ctenocephalides felis


<220>
<221>   misc_feature
<222>   (356)..(356)
<223>   n = unknown

<220>
<221>   misc_feature
<222>   (526)..(526)
<223>   n = unknown

<400>   2311
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ttggctgcta ggagatcatt gggtacttta tggaggcaag gatggaatga aattcctgaa    120
```

```
gtaatgctta gtactgccat gggaatggca ggaattggca tcagctgtta tgccatttat     180

agaacctatg tacttgaagg tggagactac agaaaatatc gaatgggata tgttgtatat     240

cgccctgatg accccagagt agcaaaaatt cgtccagaag atcgataaat tatgaatgat     300

agtatattat tttaaaatta acaagtatag ttaatgtaaa tatcttatat ttttgngatt     360

ttatttgttt gctctaaagg tgttctgttt tgcctaagct cttattctgg ttctaattac     420

tatcagctta ttgtgatcac aataaatcag gcatattcat gtaaattgtg cacattgatg     480

ttgtagtcta tactatatga aaagcaccca ttgctatcaa ataaantaat aaatccaaaa     540

aaaaaaaaaa                                                            549
```

```
<210>    2312
<211>    204
<212>    DNA
<213>    Ctenocephalides felis

<400>    2312
gacttatact atgtttatgg ttccaatagt gccaaacttt cagttgtcgg tgatgttgtt      60

ggacccattt ttccaaccat gcctgttaat gctacatctt tattagatct tccaatggac     120

tctgctgaac aaaatatgtt tagttttgct gcaaacttat atactacaat gtatatgaga     180

ttaataagtc aaagaaatcg aacg                                            204
```

```
<210>    2313
<211>    545
<212>    DNA
<213>    Ctenocephalides felis

<400>    2313
tgaattcatt aagtaaaaac agtaagttta tagttagtag taagcgtaac gccgtcagca      60

gcacccaggc cgaatctttc tgtatctctc tgggtgtcgg gcctctgtgg tggtcctgat     120

gacttccacc acgagatagg acatagccca ccaccttacc atgaagacga cgaccagctg     180

cggcacaccc gcaaaagcag cataagtgat agcgattcag aagacgattc tattgatact     240

tcgccggatt attcccagaa cgcggatgtc gatgagttac ttcaccttgg caaaccagta     300

cgcattacat tcgaactacg gctcacgaag cgcaacagca ccctatggga gacagttttg     360

aaggagaacg tgctctatgt aaatattcct aatgtattgc ttctgagggg tctcgtgaaa     420

gtttcacggc gctcctggaa ctgaccgagg agaagctggg atgccattcg atggtgtgtg     480

catgcacgcg atcgtcagac agacagcagc tcatgcggca ttatgttcct cggtccactg     540

tgccc                                                                 545
```

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